

MOHAMMAD JULHAS SUJAN

📍 4th Floor, House-18, Road-17 Nikunja-2,
Khilkhet, Dhaka-1229, Bangladesh

☎ +8801989 442856

✉ julhaspustcse@gmail.com



CAREER OBJECTIVE

Looking for a challenging career that utilizes my skills in my area of competence, gives me a chance to be part of a team that contributes towards the growth of the organization as well as enriches my knowledge; thereby yielding the twin benefits of job satisfaction and convenient professional growth. Searching opportunities to work on blockchain technology in health sector.

EDUCATION

<i>Degree with Major</i>	<i>Full Name of Institution</i>	<i>Duration</i>	<i>Result</i>
B.Sc in Computer Science and Engineering	Pabna University of Science and Technology, Bangladesh.	2009-2013	CGPA 3.81/4.00 (1 st Class 2 nd Position)
Higher Secondary School Certificate (HSC), Science Group	Badalgachi Govt. College, Naogaon, Dhaka, Bangladesh	2007-2008	GPA 5.00 (out of 5.00)
Secondary School Certificate (SSC), Science Group	Begun Joar High School, Badalgachi, Naogaon, Dhaka, Bangladesh	2001-2006	GPA 5.00 (out of 5.00)

PROFESSIONAL EXPERIENCE

Organization: Department of Informatics, University of Oslo, Norway

(<http://www.uio.no/english/>)

Position: DHIS2 Developer

Duration: September 2017-Present

Current Posting: Ministry of Health, Dhaka, Bangladesh

Focus Working Areas:

1. To design and develop Anti-Microbial Resistance (AMR) visualization apps using DHIS2 web api for the Indian Council of Medical Research (ICMR), India
2. To design and develop interoperability between DHIS2 WHONET (<http://whonet.org/>)
3. To design and develop DHIS2 e-Registry apps for Bangladesh and Palestine project
4. To design new and enhanced national health information systems using the DHIS 2 platform. Work with Ministry of Health in Bangladesh and UNICEF Bangladesh in designing

systems tailored to local contexts and needs.

5. To document current status and need, gather requirements, initiate new architectural features, enhancements and innovations in the field of interoperability and custom apps.

6. To develop local apps and innovations to cover country needs vs platform functionality gaps, and push the utilization of the generic platform to new areas of use.

7. Contribute to the complex and innovative task of developing software to support health information systems in countries, including

8. Development of new features that can be incorporated into the global DHIS 2 platform and contribute to new release.

9. Innovations to address challenges in terms of scaling, security, modeling and integration, and develop new solutions which can work in limited resource settings with e.g. lack of online access and technical literacy

10. Transform user requirements into usable and scalable system functions, for example understanding information needs and the type of analysis required.

11. Be part of building capacity and sustainability in the app development team in Bangladesh.

12. Focal person of DHIS2 Online Web Apps development Academy, University of Oslo

13. DHIS2 Master facility list (MFL) app design and development for Ministry of Health, Indonesia

Organization: Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program, Management Sciences for Health (MSH), USAID, Dhaka, Bangladesh (<https://www.msh.org>)

Position: Senior Java Programmer

Duration: May-2015 to September-2017

Focus Working Areas:

- National Electronic Logistics Management Information System (eLMIS) development and implementation for Government of Bangladesh (Ministry of Health and Family Welfare-MOHFW) by using DHIS2 platform.
- Configuration and customization of District Health Information System 2 (DHIS2) and integrate it with external application.
- Development of Interoperable Middleware Application for supply chain management system to produce meaningful dashboard and as reporting tools.
- Routine Health Information System (RHIS) analysis, design and development for MOHFW in partnership with Measure Evaluation, Save the children, ICDDR,B.
- Pharmadex design and development level testing and customization for drug regulatory management system for the Directorate General of Drug Administration of Bangladesh
- Business Application Development and maintenance like Support Ticket for DGHS eLMIS, e-TB Manager and RHIS
- Develop interoperability between e-TB Manager and DHIS2 (all aspects of design, development and implementation)

- Designing, development and implementing interoperable application between RHIS and DHIS2
- Khulna Shishu Hospital Management Information system design, development and implementation

Organization: Infosys Limited, MySore, India (www.infosys.com)

Position: Trainee on “Enterprise Application Development Using Java and Oracle”

Duration: January 2015-April 2015

Focus Working Areas:

- Java, JSP, JSTL, JSF, UI Component Model, Usecase and Sequence Diagram, PMD, Exceptions, Log4J, Collection Framework, JSON, XML, Hibernate, Servlet, Directives, junit, Testing, Oracle, JPA, ORM, JPSQL, Query API, ANT.

Organization: Bashundhara Group, Dhaka (www.bashundharagroup.com)

Position: Software Developer

Duration: December 2013-December 2014

Focus Working Areas:

- BI Development for SAP, Smart Form Development by using SAP ABAP, Sales Management System using PHP framework Yii and MySQL, HRM system development using PHP and MySQL, Training Portal Development using PHP and MySQL, Online Examination System using PHP and MySQL, Web Application Development.

Organization: Dhrubok Infotech (www.dhrubokinfotech.com)

Position: Web Application Developer

Duration: June 2013-November 2013

Focus Working Areas: PHP, MySQL, ReST-API, JavaScript, jQuery, JSON, XML, HTTP, and RDBMS.

INFORMATION TECHNOLOGY RELATED SKILLS

- **Programming Language** : Java
- **Web Technology** : React JS, Node JS, Express JS, Object Oriented PHP, Laravel-5, JavaScript, AJAX, XML, JSON, HTML5, CSS3, Bootstrap, Wordpress, SEO, MySQL, PostgreSQL, UX/UI Design and Development, Wireframe and MocUp Design for website and application, REST API, Webpack, Babel, SASS, Git, Mapbox, Leaflet JS, Microservices using Node JS.
- **Java Technology** : Java, JSP, JSF, UI Component, Usecase and Sequence Diagram, PMD, Exceptions, Log4J, Collection Framework, JSON, XML, Hibernate, Servlet, junit Testing, Oracle, JPA, ORM, JPSQL, Query API, ANT.

- **ERP Software's** : SAP ABAP, ISPERP.
- **Frameworks** : JSF, PHP Laravel, Twitter Bootstrap, React JS
- **Database** : Oracle, MySQL, Postgresql
- **Open Source Platform** : DHIS2, OpenMRS, OpenELIS, SHR, RHIS, D2LMIS
- **New Technologies** : Blockchain, Bigchain DB

DEVELOPED PROJECTS

<i>Project #</i>	<i>Project Name</i>	<i>Project Description</i>
Project#1	DHIS2 User's Activity Capture and Research App	<p>Short Description: The user activity capture dashboard widget can be embedded into any dashboard, and captures information on how long a user is using a dashboard, how much time is spent on a dashboard. Those data on user activity are then sent to the data store. When a user lands on the dashboard with this widget, the widget text shows a welcome message, reminding him when he last visited this dashboard.</p> <p>A separate <i>user activity</i> widget then aggregates these data for all users, and is designed to help different level managers to analyse the dashboard activity of the user. It presents, the username, start time, and end time, organizational unit, dashboard detail for every time a user visited a dashboard. The data can be downloaded by a manager in the form of an Excel Sheet, or analysed individual user activity directly within the app. This app is generic so the community can easily download from app store and use this app with any DHIS instance v2.27 and above.</p> <p>Platform: React JS, DHIS2 Web API Client: Ministry of Health, Palestine and ICDDR, Bangladesh</p>
Project#2	DHIS2 Validation Results App	<p>Short Description: Every week, e-Registries implementations in Palestine and Bangladesh run validation analysis on aggregated tracker data. Triggering validation rules will persist and send tailored notifications (validation rule instruction) to user's dashboards. For example, a validation result may inform a user their clinic did not provide proper screening of pregnant women for diabetes last month, and link to detailed instructions on how to do so. Users can then interact with each notification as thumbs up/down or comment. This app builds on earlier efforts by allowing custom sorting and filtering of the various</p>

validation notifications. It is possible to sort validation results with newest first, validation rule priorities, validation rules group and feedback type.

Platform: React JS, DHIS2 Web API

Client: Ministry of Health, Palestine and ICDDR, Bangladesh

Project#3 Master Health Facility List (MFL) Map Visualization

Project Modules:

Four levels of facilities visualization in DHIS2 MFL app, Service domain, Resource domain, Administrative domain linked with MFL

Platform: React JS, DHIS2, HTML, CSS

Client: Ministry of Health, Central Jakarta, Indonesia

Live Link: <https://mfl.dhis2.org/>

Project#4 Facility Registry Interoperability App in DHIS2

Project Modules:

New facility management that extracted by DHIS2 Middleware app, updated and deleted facilities management, DHIS2 blank filed facilities management, Notification center, GIS Map for facility location.

Development platform: React JS, AJAX, Pug Engine, Bootstrap, Material UI

Client: Ministry of Health and Family Welfare, Bangladesh

Project#5 DHIS2 Middleware Apps

Project Modules: Interoperability between Multiple DHIS instances, Human Resource Information System (HRIS) and DHIS2, Automatic and Manual mode based data transaction, Multiple DHIS2 instances integration, Real time log monitor.

Development platform: Node JS, Postgresql

Client: Ministry of Health and Family Welfare, Bangladesh

Project Link: <http://middleware.dghs.gov.bd:8082/>

Project#6 RHIS for Ministry of Health and Family Welfare, Bangladesh

Project Description: Routine Health Information System (RHIS) is the complete health automation system for Ministry of Health and Family Welfare (MOHFW) with the modules: Birth and Death Registration, Child Care e-Registration, EPI for Women and Children, IMCI Case Management, Mother and Newborn Register, Health Assistant and CSBA.

		<p>Development platform: Java, JSP, JSF, JavaScript, AJAX, ReST API, cURL, HTML, CSS, PostgreSQL.</p> <p>Project Website: http://www.rhis.net.bd/</p> <p>Client: Ministry of Health and Family Welfare, Bangladesh</p>
Project#7	Khulna Shishu Hospital Automation System	<p>Project Modules: Patient record management, Follow-up management, Auto prescription generate, Patient Shifting, Death certificate, HRM, Billing, Inventory/store management, Bed management, Indoor Activities Management, Doctors Management.</p> <p>Development platform: PHP Laravel Framework, JavaScript, AJAX, ReST API, cURL, HTML, CSS, PostgreSQL.</p> <p>Project Website: http://ksh-his.org</p> <p>Client: Khulna Shishu Hospital Authority, Khulna, Bangladesh</p>
Project#8	Interoperability between RHIS and DHIS2	<p>Project Description: HA, CSBA, EPI for Infant and EPI for Women modules integration between RHIS and DHIS2. The process of automatic data sending from RHIS database to DHIS2 datasets.</p> <p>Development platform: Java, JSP, JavaScript, AJAX, ReST API, cURL, HTML, CSS, PostgreSQL.</p> <p>Project Website: http://mchdrhis.icddr.org:8080/rhis_emis/</p> <p>Client: Ministry of Health and Family Welfare, Bangladesh</p>
Project#9	eLMIS Development in DHIS2 platform for Ministry of Health and Family Welfare, Bangladesh	<p>Project Description: Implementing Logistics Management Information System (LMIS) in DHIS2 for Maternal, New Born and Child Health Priority Medicines for the Ministry of Health, Bangladesh government.</p> <p>Development platform: Java, Spring, JavaScript, AJAX, ReST API, cURL, HTML, CSS, PostgreSQL.</p> <p>Project Website: https://scmpbd.org/dghs-elmis</p> <p>Client: Ministry of Health and Family Welfare, Bangladesh</p>
Project#10	DHIS2 MiddleWare Application for Ministry of Health	<p>Project Description: Integrating any application with DHIS2, dataset, organization unit, data elements group, data elements and data value set export from DHIS2.</p>

		<p>Scheduling based data integration with any application.</p> <p>Development platform: PHP Laravel, JavaScript, AJAX, Web API, cURL, HTML, CSS, MySQL.</p> <p>Project Website: https://scmpbd.org/dghs-elmis/</p> <p>Client: Ministry of Health and Family Welfare, Bangladesh</p>
Project#11	Interoperability between Electronic Tuberculosis Manager (e-TB Manager) and DHIS2	<p>Project Description: To integrate e-TB manager TB-10, TB-11 and TB-12 forms with DHIS2 TB forms.</p> <p>Development platform: Java Spring Framework, ReST Services, MySQL, DHIS2 Web API, JavaScript, HTML and CSS</p> <p>Project Website: http://etbmanagerbd.org/</p> <p>Client: Ministry of Health and Family Welfare, Bangladesh</p>
Project#12	Support Ticket System for Ministry of Health and Family Welfare, Bangladesh	<p>Project Description: It is a completely user support system with multiple supervisory level, Multi-level users, email notification, running and pending task management.</p> <p>Development platform: PHP, JavaScript, AJAX, Web API, HTML, CSS, MySQL.</p> <p>Project Website: http://mchdrhis.icddrb.org:8085/eticketing/public/</p> <p>Client: Ministry of Health and Family Welfare, Bangladesh</p>
Project#13	ISPERP	<p>Project Description: New connection management, house shift, package change, line disconnection, HRM, Inventory, Billing, CRM and Complain Management Modules. It is now running in the 10 sites with 40000 customer's.</p> <p>Development platform: PHP Laravel, MySQL, JavaScript, jQuery, Angular JS, HTML, CSS.</p>
Project#14	Restaurant Management System with PoS (Online Based)	<p>Project Description: Online and Offline order management, table booking, multiple payment methods, complete inventory tracking and Point of Sale(PoS).</p> <p>Development platform: PHP CodeIgniter, jQuery, JavaScript, HTML, CSS, MySQL.</p>
Project#15	Dashboard and Website for ICT Division	<p>Project Description: Projects and Program Management, Schedule management, training management and interactive website development.</p> <p>Development platform: PHP, Wordpress, jQuery,</p>

JavaScript, HTML, CSS, MySQL.

Project Website: <http://bhct.bhtpa.gov.bd/>

Project#16 Inventory Management System

Project Description: Asset Management, Materials Management, Purchase Order Management, Goods Issues and Delivery Management, Stock Return, Stock Transfer, Damage Materials Management with lots of MIS Reports
Development platform: JSP, JSF, MySQL, JavaScript, jQuery, Angular JS, HTML, CSS.

Project Website: <http://demo.d2lmis.org/>

Project#17 BI for SAP

Project Description: I have developed the BI software for SAP ERP. The main functionalities of this software are Dashboard Management, Sales and Distribution(SD Sales Support and Customer Analysis) module management, Finance(FI Support, FI Ratio), PM Equipment's, MM Inventory Analysis, Production Planning analysis.

Development platform: Integrating SAP with PHP, RPC by PHP, SAP ABAP, MySQL, JavaScript, JQuery, FushionCharts, Twitter Bootstrap.

Project#18 E-commerce Product Management

Project Description: It is a fully ecommerce based website. Order, Sales, Purchasing, Profit Calculation, profile management are the key feature of this project.

Development Platform: Object Oriented PHP, JavaScript, jQuery, CSS, HTML, MySQL. Project Website: <http://tucanashop.com/>

Others Development

Library Management System, Pabna DC office Circuit House Management, Human Resource Management System, Employee Skill Enhancement Centre Management

PROFESSIONAL TRAINING

❖ Building Microservices with Node.js

Institution: Udemy

Location: Online Academy

Focus Area: Design Microservices Architecture, Node.js for Microservices with Express, MongoDB, Creating an API Gateway, Deploying Microservices, Scaling Microservices with NGINX, Using Docker Containers, Load Balancing with NGINX, Monitoring and Alerting,

Monitoring with PM2 and Keymetrics.

❖ **Blockchain Programming using Node JS**

Institution: Udemy

Location: Online Academy

Focus Area: Blockchain, Cryptocurrency, Implementing Blockchain Web API, Implementing Blockchain Core Engine, Decentralizing Blockchain

❖ **Web Apps Development using React and Redux Framework**

Institution: Udemy

Location: Online Academy

Focus Area: React JS and Redux Framework

❖ **DHIS2 Web Apps Development**

Institution: Department of Informatics, University of Oslo, Norway

Location: Dar es Salaam, Tanzania

Focus Area: DHIS2 Web Apps

❖ **Procurement and Supply Chain Management**

Institution: United Nations Development Project (UNDP), UNDP Online Platform

Duration: 1 Month

Focus Area: PSM

❖ **Java Spring Framework**

Institution: Udemy, Online Platform

Duration: 20 Days

Focus Area: Spring 4, Maven, MySQL, AOP and JSF.

❖ **Enterprise Application Development using Java & Oracle**

Institution: Infosys Ltd., Mysore, India

Duration: 4 months

Focus Area: OOP, DBMS (Oracle), 3-Tier using Java, JSP and JSF.

❖ **PHP and MySQL**

Institution: IBCS-Primax, Dhaka, Bangladesh

Duration: 4 months

Focus Area: PHP, Object Oriented PHP, XML, JSON and MySQL

❖ **SAP BI**

Institution: Exzatech Solutions Ltd., Dhaka, Bangladesh

Duration: 10 Days

Focus Area: SAP BI, Integrating SAP with PHP and Dashboard Management

NATIONAL & INTERNATIONAL ACADEMY

- ❖ DHIS2 Expert Academy-2018
Institution: Department of Informatics, University of Oslo
Location: Oslo, Norway
- ❖ Asia Electronic Health Informatics Network, AeHIN
Institution: HISP Sri Lanka
Location: Colombo, Sri Lanka
- ❖ Assessment and Interoperability Visualization of DHIS2
Institution: University of Oslo, Ministry of Health, Indonesia
Location: Central Jakarta, Indonesia
- ❖ CEBIT Asia
Institution: Bangladesh Hi-Tech Park Authority
Location: Bangkok, Thailand
- ❖ DHIS2 Level-1 Academy
Institution: HISP Bangladesh and Ministry of Health
Location: Dhaka, Bangladesh
- ❖ DHIS2 Level-2 Academy
Institution: University of Oslo and HISP Tanzania
Location: Dar-es Salaam, Tanzania

PROFESSIONAL CERTIFICATE

- ❖ DHIS2 Experts Academy-2018: For presenting at the Experts Academy in June 2018 in Oslo, Norway. The presentation topic was from a successfully chosen abstract following a competitive review process.
- ❖ DHIS2 Web Apps development, Dar es Salaam, Tanzania, November-2017
- ❖ ZEND Certification, Yellow page: <http://www.zend.com/en/yellow-pages/ZEND026171>
- ❖ Enterprise Application Development Using Java Certification, Infosys Limited, India

KEY COMPETENCIES

- Skilled in Project Management / Teamwork
- Excellent in Project planning and organizing'
- Highly skilled in analysis and coding
- Capable of Problem Solving
- Interpersonal Skill
- Experienced in Research and Development
- Outstanding presentation skill

LANGUAGES

- English –Fluent in speaking, writing and reading.
- Bengali – Native. Skilled technical writer and improving creative writer.

SOCIAL ACTIVITIES

- Founder and Former President of “Naogaon District Student Welfare Association(NDSWA)” - 2009 to 2013
- Founder Member and Former General Secretary of “PUST Science Club” – 2009 to 2013
- Member of “PUST Blood Donation Club”
- Founder and President of “Friends Club-2006”

HONORS and AWARDS

- ❖ Best speaker at DHIS2 Experts Academy Oslo-2018
- ❖ Best Performer at MSH-2016
- ❖ Department of CSE Best Result Award- 2009 to 2013
- ❖ First Position, PUST Science Fair-2010, 2011, 2012
- ❖ Second Position, Pabna District Science Fair-2012
- ❖ First Position, Pabna District Science Fair-2013
- ❖ Monowara Scholarship-2008
- ❖ College First Position Award-2008

PERSONAL DOSSIER

Date of Birth : 10-10-1990
 Religion : Islam
 LinkedIn profile : www.linkedin.com/in/julhas

REFERENCES

Mohammad Lutful Haque

Senior Technical Advisor (HIS)
 Management Sciences for Health, USAID Project
 House # 3, Road # 23/B
 Gulshan-2, Dhaka-1212
 Mobile: +8801711180555
 E-mail: protik60@gmail.com

Zubayer Hussain MD, MPH

Senior Manager
 Management Sciences for Health
 4301 N. Fairfax Drive, Suite 400
 Arlington, VA 22203, USA
 Direct: +1-703-310-3844
 Email: zhussain@msh.org