

# FULL STACK DEVELOPER

**Md Samir Alam**

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More than 12 years of hardcore programming with PHP & JavaScript stacks and possess strong frontend and backend experience. Dynamic and brave skills, comfortable taking risks without endangering projects goals. Ability to push development and suggests a new way of doing by getting end stakeholders feedback and responses. Strong grasp on Data and File Structures, Algorithms, Object Oriented Programming, UI/UX Design, Usability Testing and User Research. Experience working in an Agile/Scrum development process. An expert on Micro Services, development with Node.js as a backend and Bootstrap, Material Design, React.js(REdux), LESS/SASS, HTML5 as Frontend. Actively seek to gain managerial and business knowledge that help me to translate those business problem into a technological platform.

## TOOLS AND SKILLS I'M GOOD AT

**UI/UX:** Adobe Photoshop, Illustrator, Adobe XD(Experience Design), and Zeplin

**Frontend:** HTML5, CSS3(LESS/SASS), XML, XPath, JSON, JavaScript, jQuery & Bootstrap

**MERN Stack:** Typescript, ES 6, MongoDB, Express.js, React.js and Node.js

**JavaScript Libraries:** Gulp, ESLint, Webpack, Babel, Redux, Apollo GraphQL, Mongoose, React Native, React Navigation, Expo, Native Base

**API:** RESTful, GraphQL and SOAP

**Core Languages:** Javascript and PHP

**Databases:** RDMS with MySQL and NoSQL with MongoDB

**Version control systems (VCS):** Gitlab, Github and Bitbucket

**PHP Frameworks:** CodeIgniter and Laravel

**CMS:** Wordpress, OpenCart and Magento

**Methodologies:** Waterfall, Agile, MVC, MVVM, TDD and BDD

**Code Editor/IDE:** Visual Studio Code, Android Studio, and Notepad++

**SEO:** On-page, Off-page, Google Webmaster, Analytics, Adwords and Agency Analytics

**Hosting Tools:** Heroku, MLab, AWS, SSH, VPS, WHM/CPanel and Google Cloud

**DevOps:** CI/CD, Docker, Docker Compose & Swarm

**Testing:** Jest for React

**Others:** Data Mining with Node.js and Data Scraping using CURL, XPATH, CSV, MS Office, Data Structures & Algorithms

## **WORK EXPERIENCE**

### **Full Stack Engineer – FULL TIME**

HexxaSoft Pvt Ltd. – Nepal – Jan 2021 to Present

Handling Web and Mobile app design and development teams for local and offshore projects. Operating various projects plan, organize, and integrate cross-functional information technology projects that are significant in scope and impact.

### **Senior React Native Developer – FULL TIME**

Marphatech Pvt Ltd. – Nepal – October 2019 to December 2020

Worked for the development of React Native (cross platform) Android and iOS app for eSchool Management system for Student/Parents and for Teacher. Connect the C# backend system with the Web and Mobile app through RESTful API.

### **Senior Frontend Developer – FULL TIME**

Javra Software – Netherland | Nepal – October 2018 to October 2019

Working with PF Concept which is Europe's largest supplier of promotional products. They offer thousands of promotional items and an extensive range of apparel to satisfy every marketing requirement. My major responsibility is to work and develop the **Designer Platform** which is based on Progress Framework **React.js** and **Knockout.js (MVVM)** which is on client side with **Magento** on Backend, **PWA (Progressive Web App) using React Technologies**. My main task is to fix any frontend issues, build necessary functions and features using Knockout.js and jQuery. Beside that I have done Javra Software's internal project called **Server Monitoring** using **Laravel, Vue.js, Highcharts** for client's information regarding their infrastructure as a service.

Blended with Agile/Scrum team, following best practices & coding patterns, Magento2 Enterprise Edition architecture, Custom Magento2 ERP systems. Able to learn CI/CD in a better way of software development with different development tools. Found serverless servers, remote development flow, **WSL2, WSL2 + docker, and microservices** with Node & React for software development.

## **Senior UI/UX Engineer – FULL TIME**

Otonomis Pvt Ltd – Kathmandu [Nepal] – October 2017 to September 2018

Architecting Innovation provides leading-edge enterprise application design and development, websites, apps and incubation for a variety of national and international clients including Yokaya-Telemetry System, G2C (Government to Citizen), and HOW app for Android and IOS. My responsibilities as Information Architect and UX Designer included the following: Capturing vision, funneling requirements and ideas into visual representations and translating them to deliverables to produce compelling enterprise applications. Contributing to team effort to build user-centered design that achieves business goals. Creation of wireframes, site flows and prototypes for decision-making and further iterating, explaining usability, standards and design trends, applying human interaction factors and experience when analyzing natural flow for user needs, creating personas, and implementing information architecture strategies and white boarding sessions.

## **Freelance Web Developer & Designer - REMOTE**

Upwork.com – Remote – April 2015 to 2017 September

Apply a wide breadth of technical skills, Internet knowledge, and experience across the spectrum of online development in the service of building and improving online properties for multiple clients around the globe. Freelance projects include PHP based custom websites, MEAN/MERN development. OpenCart based custom theme UI/UX design,

integration with PHP/MySQL, hundreds of Module/Extensions Development, POS, Multivendor/Multi-Seller based add-ons development, site maintenance, SEO tasks, Data Scraping tasks etc. Some of my large projects consists custom Online/Offline POS Development that sync with the Online Database in timely manner with SOAP API. Provided assistance for up- coming brand with Product development and the production process.

### **PHP Web Developer – FULL TIME**

F1 Block LLC – Kathmandu [Nepal] – February 2012 to 2015 February

Responsible for system architecture, database design and backend development, incorporates existing code and reusable assets in the development of new components. Developed Integrations with API-driven third-party systems and collaborate regularly with Product Manager and lead/mentor others in the development team, actively engage in peer code reviews. Used micro-services frameworks, SQL/NoSQL databases, RESTful APIs, cloud tech stacks, advanced computing and encryption principles on some projects.

### **Web Designer – FULL TIME**

Crossover Nepal – Kathmandu [Nepal] – December 2010 to 2011 December

Responsible for the graphic design and implementation of company and clients web site including navigation, writing HTML and JavaScript and optimization of web graphics. Created all marketing materials including corporate identity, catalogs, advertising, packaging and trade show graphics. Performed validation of completed sites including the debugging and testing of code with Firebug, Debuggers etc. Developed web-site mock-ups for clients to ensure quality control and client satisfaction before project development phase. Leveraged responsive web frameworks to consistently complete product deliverables ahead of schedule. Ensured all web site development follows W3C web standards and ADA compliance for accessibility and other good practices for web design and development.

### **Web Designer – FULL TIME**

Arhant Solution – Kathmandu [Nepal] – March 2008 to November 2010

- creating web site designs with responsive grid frameworks(bootstraps) and producing sample sites.
- keeping up-to-date with recent technological and software developments.

- developing skills and expertise in appropriate software/programming languages including html, CSS, JavaScript and others.
- producing products that are user-friendly, effective and appealing.
- working as part of a multi-disciplinary team.

## **EDUCATION**

### **Masters in Information Technology – Sikkim Manipal University –2017 May**

Studied fundamentals of the business environments within which complex software systems are designed, developed and deployed. Learnt basics of Software Engineering, Data and File Structure, Algorithm Design along with OOP (Object Oriented Programming) paradigm.

### **Bachelor & Intermediate of Arts – Tribhuvan University –2013**

Studied tools for systematic study and understanding of texts, and help them apply the tools in appreciating literary and other texts critically and creatively.

### **SLC (School Leaving Certificate) – Government of Nepal –2003**

Studied tools for systematic study and understanding of texts, and help them apply the tools in appreciating literary and other texts critically and creatively.

## **CERTIFICATIONS**

### **PHP/MYSQL – Kantipur City College –2008 May**

Learn everything to become a professional PHP Developer with practical exercises, projects and OOP programming. Course also includes MySQL query, working with PHP with database and advance MySQL queries.

### **Diploma in Computer Application – Paramount Computer –2006 December**

Program imparts specialization in the following fields: Basics Computer Skills, MS Office Applications, C/C++ programming, ERP Basics, Internet Basics, Accounting packages with Tally ERP, PC Assembly and Trouble-shooting etc.

## RECENT PROJECTS

### Project #1 / PF Concept PWA (Progressive Web Application)

<https://bitbucket.org/saamalam/pwa/src/master/>

Role: Senior Software Architect

Development and Customization of PWA(Progressive Web Application) for PFconcept global using Micro services, CI/CD with Docker, Node.js and GraphQL over Webpack.

- Installation and connecting PWA with Magento website
- Design & Development of overall UI/UX
- React components for Bestsellers, Featured, Login/Registration
- Various other interfaces like User account page, server pages, and Customer Interface Development.
- Payment Module along with Shipping Module development
- RESTful API on top of GraphQL development with Apollo client/server
- CI/CD using Docker and Docker Composer
- On going developments...

### Project #2 / <https://prod.pfconcept.com/>

Role: Enterprise Magento Ecommerce Development (Ongoing)

B2C & B2B Development of Magento Ecommerce based development for print and marketing items over 5 million future products across the globe.

- Overall Design Platform development with Knockout.js (MVVM)
- Implementing the User Interface on several pages such as cart, decoration, catalog etc.
- Integration of frontend debugger for rapid development
- Design and Development of Minicart and Decoration part using jQuery and Knockout
- Enterprise level development for several other features.

### **Project #3 / <https://www.everydayweldingsupplies.com/>**

Role: PHP Ecommerce Development

B2B Development of Opencart PHP Ecommerce based development for hardware tools, hand tools and equipment's.

- Overall site development with PHP Backend (MVC)
- Integration of dozens of Shipping and Payment Gateway
- Integration DB Cache, Page Cache, Minification, Gzip compression for better optimization
- Design and Development of custom checkout using jQuery and React
- Scrapped around 50k records including Products, Categories and Offers from B2B vendors.

### **Project #4 / HMIS – Employee Management System**

Role: Node.js, Vue.js, Webpack, Axios and Bootstrap based employee management system

Development of web frontend for Employee Management Systems using Vue.js as Frontend, AXIOS as async call and Webpack as package manager.

- Development of overall frontend template Dashboard using Vue.js, Vuex & Bootstrap
- Creation of Custom Validation for several forms
- Used Vuex for State Management System and Local Storage
- Several other Modules like Payroll, Attendance System and User permissions
- Writing and maintaining overall frontend using Gitlab and Docker

## **PERSONAL DETAILS**

Name on Passport: Md Samir Alam

DOB: 8th March 1986

Gender: Male

Marital Status: Married – 2 Children

Permanent Address: Rajbiraj-11, Saptari, Nepal

Language Known: English, Nepali, Hindi and Urdu