Muhammad Saddam

Software Engineer/Full Stack Developer

PHP/LARAVEL/REACT/VUE DEVELOPER

Email: saddy.devs@gmail.com

GitHub: https://github.com/MSaddamKamal

StackOverflow: https://stackoverflow.com/users/13947407/saddam

Portfolio: https://saddydev.github.io

LinkedIn: https://www.linkedin.com/in/m-saddam-6aba76228/

✸ SUMMARY

Software Engineer with 8+ years of experience facilitating cutting-edge engineering solutions with a wide range of technology skills. Proven ability to leverage full-stack knowledge and experience to build interactive and user-centred website applications to scale. Extensive expertise in large system architecture development and administration, as well as catering technological needs of companies through ingenious innovation to help organizations to foster their growth.

RELEVANT TECHNICAL SKILLS

Vue · React · Redux · JavaScript · TypeScript · Node.js · Express.js · AdonisJS · PHP · Laravel · Wordpress · Symfony · HTML · CSS · Scss · MongoDB · MySql · Redis · Tailwind CSS · Bootstrap · Python

EDUCATION QUALIFICATION

MASTERS OF COMPUTER SCIENCE(GOLD MEDALIST) *MOHAMMAD ALI JINNAH UNIVERSITY (MAJU) Karachi (2020 –2022)*	KARACHI - 2022 **CGPA: 3.98**
BACHELOR S *INSTITUTE OF BUSINESS MANAGEMENT (IOBM) Karachi (2013 – 2017)*	KARACHI - 2017 **CGPA: 3.2**

PROFESSIONAL EXPERIENCE

January 2021 – Present
SENIOR SOFTWARE ENGINEER, EGLOBAL / DUBAI, UAE (REMOTE)

- Engineered modern web applications using *PHP,Laravel, React,Vue,Node,JavaScript,Redis,AWS ,SQL Server, and No SQL*.
- Currently Leading 4 Fintech products of Eglobals. Mentoring and managing a team of 4 software engineers.
- Built innovative api gateway features into new products to exceed industry standards and achieve 100% compliance with security practices.
- Initiates and develops products from scratch using a new and updated technology stack.
- Optimize Restful APIs latency and Database CRUD operations, ensured SOLID principles in the software.
- Evaluated and proposed solutions for complex software architectural challenges.
- Contribute new technologies and guidelines with the Development Manager while also catering to junior developers' issues and problems.

Key achievement:

- Identified and dealt with a significant process bottleneck that boosted system speed and coding efficiency by 65% when resolved.
- Built a robust security system and slashed security breaches by an average of 81% for all clients.

July 2019 – June 2020
FULLSTACK DEVELOPER, REAVERTECH + DIGITAL GRAVITY/ KARACHI, PAKISTAN

- Develop modern web applications using *PHP,Laravel, React,Vue, Express,Jquery,Redis,AWS,MYSQL,Mongo,Javascript,Symphony,Wordpress.*
- Integrated different payment gateways including PayPal, Stripe, Etisalat and other payment APIs
- Provided leadership as a subject matter expert (SME) on hosting issues, client and staff logins, and general upgrades.
- Designed and implemented web application, streamlining high-server traffic resource configuration and allocation.
- Making REST APIs, custom guards and jwt implementation.

Key achievement:

- Different client's software was delivered to them on time, exceeding their expectations and satisfaction.
- Was awarded employee of the year award for consecutively delivering 8 sprints ahead of their time.

November 2014 – June 2019
FULLSTACK DEVELOPER, INNOVATORS / KARACHI, PAKISTAN

- Develop web applications and REST APIs using *PHP,Laravel,Express,Jquery,Javascript,Vue,React.*
- Solution-driven web development adapt at contributing to highly collaborative work environment, finding solutions and determining customer satisfaction.
- Proven experience developing consumer-focused websites using HTML, CSS, PHP,Node and JavaScript Frameworks. Built products for desktop and mobile app users, meeting highest standards for web design, user experience, best practices and speed optimization.

✳ PROJECTS

1) IDevAffiliate (Affiliate Marketing Software)
Project Technical Specification
- **PHP, Laravel, MYSQL, AJAX, Jquery, Payment Gateways (Paypal,Stripe), AWS,GIT, Bootstrap 4, CSS3, and SASS.**

Core Responsibilities
- Responsible of making robust backend REST APIs, new functionalities integration, change in abstract modules accompanied with creating migration and seeders.
- Implementation of abstract functionality from scratch in order to foster reusability.
- Revamped and refectories existing codebase into Laravel technology and Blade.
- Implemented Stripe,Braintee & Paypal Payment Gateway Integration.
- Integrated Affiliate,Marketing Materials,Settings,Reports Module.
- REST APIs,Custom Guard and jwt implementation.
- Introduce Abstract Repository pattern in the code and ensured SOLID principles.

Key Achievements
- The goal to migrate existing system from vanila php to Laravel was successful achieved and delivered. With this new system with new technology, the maintenance of the software has become easier and the corporation was able to generate more revenue and is also planning to add more features to grow in the market.

2) Merchant VP (Payment Solution Platform)
Project Technical Specification
- **PHP, Laravel, MYSQL, Vue.js, FireBase, AWS,GIT,Redis, Bootstrap 4, CSS3, and SASS.**

Core Responsibilities
- Initiates and develops products from scratch using a new and updated technology stack.
- Mentored and manage a team of 4 software engineers and ensured SOLID principles in the software.
- Making of APIs & Cyber Source Payment Authentication.
- Myfatoorah and Etisalat Payment gateway integration.
- RSA & AES Request Encryption Implementation.
- Auth Flow.
- Develop API Gateway For Security.
- Develop Frontend Dashboard From Scratch using Vue.

Key Achievements
- The company was able to launch the product on time and was able to increase its customer base by significant percentage, accompanied by enhancing user experience with new design and features.

3) Mookeet (Ecommerce)
Project Technical Specification
- **PHP, Laravel, MYSQL, Redis,Jquery,AJAX, Bootstrap 4, CSS3, and SASS.**

Core Responsibilities
- login/Signup, login with google etc
- Checkout
- User Dashboard CRUDs
- Seller Dashboard CRUDs
- Stripe, Paypal,Braintree Integration

Key Achievements
- The company was able to deliver the project on deadline, the customer were satisfied with the product.

4) Product Control System
Project Technical Specification
- **PHP, Laravel, MYSQL, Vue.js, FireBase, AWS,GIT,Redis, Bootstrap 4, CSS3, and SASS.**

Core Responsibilities
- Developed and optimized existing architecture and increase the APIs response time.
- Development of CRUD APIs
- Mentored and manage a team of 4 software engineers through optimization techniques and SOLID principles and ensured Best Practices through Design Patterns.
- Optimize RESTFull APIs latency and Database CRUD operations.
- Working on reports of overall transactions in the project.
- Features Management
- Settlements, Refunds
- Develop Frontend Dashboard From Scratch using Vue

Key Achievements
- The project was delivered on time due to which the mangers finds its easier to track, manage transaction, users easily and responds to customer query effectively

5) Roche Academy
Project Technical Specification
- **PHP, Laravel , VueJS, MYSQL, MongoDB, Redis, AJAX (AXIOS), Vuex, Lodash.**

Core Responsibilities
- Migrating project from symphony 2.8 to laravel.
- Changing the entire Signup Process
- Dynamic forms.
- Implementing Hospital Module with APIs and Front end Integration
- Implementing Course Module with APIs and Front end Integration
- Altering Admin Module for new Features
- APIs for generating Certificates for the Candidates
- APIs for uploading and downloading csv files.

UI-UX
- Settings of major and minor screen fixes, using HTML, Bootstrap, CSS

6) Regal Assets
Project Technical Specification
- **PHP, Laravel, MYSQL, Vue.js, FireBase, AWS,GIT,Redis, Bootstrap 4, CSS3, and SASS.**
- Regal Assest is a company that engaged in precious metal, industry offering gold coins and other valuable coins as Bitcoin.

Core Responsibilities
- Build A customize wallet for Regal Asset, accompanied with a user friendly dashboard built on vue.js and aided with REST APIs, built on Laravel.
- Used Redis cache to improve the API Response Time
- Implement Repository Pattern to enhance modularity
- Api Integration

Key Achievements
- The client was able to launch the product on time and was able to enhance its platform successfully. Product Owners and CEO appreciated the product. The customers were provided a personalized dashboard where they can easily track and manage their assets.

7) Web Payment SDK
Project Technical Specification
- **PHP, Laravel, MYSQL, Vue.js, FireBase,GIT,Redis, Bootstrap 4, CSS3, and SASS.**

Core Responsibilities
- Developed Payment SDK from scratch to provide Businesses to integrate services to seamlessly provide their own customers with secure payment options.
- Implemented payment with Payment links Implementation of Credit Cards payment with Etisalat and My Fatoorah.
- Implementation of Cardinal Commerce for 3DS security

Key Achievements
- The Launch of Customized and easy to use SDK aided by payment links, has allowed customers to pay and receive their payments smartly. Since SDK is secured with 3Ds, it boosts up customer and merchant confidence and made it is easy for them to integrate it with their applications.

8) User Payment Web App (Fintech)
Project Technical Specification
- **PHP, Laravel, MYSQL, Vue.js, FireBase, AWS,GIT,Redis, Bootstrap 4, CSS3, and SASS.**

Core Responsibilities
- Mentored and manage a team of 4 software engineers and ensured SOLID principles in the software.
- Making of APIs & Cyber Source Payment Authentication.
- Myfatoorah and Etisalat Payment gateway integration.
- RSA & AES Request Encryption Implementation.
- Auth Flow.
- Develop API Gateway For Security.

Key Achievements
- The Upper management appreciated the effort as the company was able to launch the product on time and was able to increase its customer base by significant percentage, accompanied by enhancing user experience with new design and features.

9) Burrency Exchange (Fintech)
Project Technical Specification
- **React.js,Node.js,Express.js,Kafka,Redux,MongoDB (Mongoose),Javascript,Typescript,AWS.**
- The Burency Exchange is a regulated exchange platform that addresses key challenges including security, liquidity, fiat to crypto transactions and vice versa, and more.

Core Responsibilities
- Developed and optimized project and database architecture, optimize the APIs response time and implement the SOLID principle in code.
- Making of REST APIs.
- Uses Kafka For micro services interaction Event/Listener.
- Implement Modular Architecture in the project to maintain and speed up the development process, implementing CI/CD to reduce merge conflicts error rates.
- Implemented modular base code on both frontend and backend.
- Made various reusable components using react.js with Typescript for speeding up the development throughout the team and decreasing error rate in the codebase.
- Integrated JWT for authentication Service, User login/Signup, implemented deposit and withdraw modules.

Project Status
- The product is under development and aims to provide an exchange for Crypo and fiat market.

10) Burrency BackOffice
Project Technical Specification
- **React.js,Node.js,Express.js,Redux,MongoDB (Mongoose),Javascript,Typescript,AWS.**

Core Responsibilities
- Development of CRUD REST APIs.
- Integrating APIS in React Front End Dashboard
- Implementing Merchant,Users,Staff,Settings Modules.

UI-UX
- Settings of major and minor screen fixes, using HTML, Bootstrap, CSS

11) Fixlo(Mobile App)
Project Technical Specification
- **React Native,Node.js,Express.js,Redux,MongoDB (Mongoose),Javascript.**

Core Responsibilities
- Making Rest APIs
- Integrating all the cruds in Admin Panel using React.js
- Creating Reusable components
- Token Based authentication, jwt implementation.

12) Wire Mobile App (Event Data Gathering)
Project Technical Specification
- **Node.js, Express.js, Mongoose, Axios, React Native, Android, IOS, Javscript,AJAX,GIT,Typescript.**

Core Responsibilities
- Learn And Implement the new Stack.
- Used Redis cache to improve the API Response Time
- Implement Repository Pattern to enhance modularity
- Initiates and develops products from scratch using a new and updated technology stack.
- Making Rest APIs
- Integrating all Mobile App Screen using ReactNative.
- Creating Reusable components
- Firebase Implementation for real-time notification
- QrCode Passes Flow Implementation

Key Achievements
- The Mobile App was successfully delivered to the client and the client was satisfied, further features were also requested to be added.

13) API Gateway (Fintech)
Project Technical Specification
- **Node.js, Express.js**

Core Responsibilities
- Built an API gateway which contain all the API secrets and API IDs etc of real endpoints, that will be automatically embedded to the request sent to it via our frontend and on behalf of our front end the API gateway will make a call to the real Backend Server, incorporated with necessary secrets attached, similarly to strengthen the security further and hide the endpoints, i introduce a mapper of URI's in our Api Gateway which maps URI's to real backend endpoints.
- Moreover encrypted the request from Frontend using RSA and AES algorithms to avoid man in the middle attacks and exposition of endpoints in the request network tab, furthermore the base url of the API gateway is also hidden by proxying the request to API gateway.

14) Content Management Systems

- *Dussur (Wordpress).*
- *Crolli Oils (Wordpress).*
- *Universal Trading LLC (Wordpress).*
- *Healthway Medical (Wordpress).*
- *Orix Leasing (Wordpress), facebook and instagram Api Integration.*
- *Alnoor (Wordpress).*
- *Foreign Direct Investment With Rest APIs (Wordpress, twitter Api Integration.*

15) Crypto Souk

Project Technical Specification
- **Symphony 4.2, Sonata Admin, Jquery, Ajax, MYSQL, Doctrine ORM.**

Core Responsibilities
- *Implementing Notifications Module Using Firebase.*
- *Fresh Desk A Help Desk Tool Integration, users can create tickets with website.*
- *Integrating Forms.*
- *Sonata Admin CMS Module Integration.*

16) Digital Gravity

Project Technical Specification
- **Vanilla PHP, Jquery, Ajax, MYSQL, Wordpress.**

Core Responsibilities
- *Integrating Web forms, sending emails using PHP Mailer.*
- *Backend Development of Blog Module using Wordpress.*

Other Freelance

Apna UrduBazar
Project Specification
- **Laravel, MYSQL, HTML, Bootstrap, CSS**

Core Responsibilities.
- *Checkout Process Implementation*
- *Admin Cruds*

Asma Medical Store
Project Specification
- **Laravel, MYSQL, HTML, Bootstrap, CSS**

Core Responsibilities.
- *Checkout Process Implementation*

React Music Player
Project Specification
- **React, GraphQL**

Core Responsibilities.
- *Design React Player.*
- *Integrated GraphQL Apis*

Publications
2022
Dynamic Route Registration Using React Router V5/V6
https://medium.com/@saddy.devs/dynamic-route-registration-using-react-router-v5-v6-c64ad7889313

Certifications & Awards
2020
Google AdWords Certification
2021
Academic Merit Award
2022
Gold Medalist In Masters Of Computer Science
2022
Awarded Best Project Showcase Award In Project Presentation Held At MAJU