MUHAMMAD BILAL

Senior Full Stack Javascript Developer - Tech Lead

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muhammadbilal.vercel.app/

CAREER SUMMARY

I am Senior MEAN/MERN Stack, Full Stack Javascript Developer and DevOps Engineer with Lead Level Experience. Working with Cloud Based SASS Applications, Microservices (Docker and Kubernetes), Serverless Architecture Model is my passion and hand practice. In Mobile Application Development i have professional experience of React Native and Ionic with native supported plugins and libraries. I am also great experienced at Storybook (to create design system), cypress component and e2e testing.

Working with the team as a tech lead, i managed many experienced developers with friendly environment and good collaborations. I always worked with the team to provide imaginative solutions.

Furthermore, I have also good interest in Data Science and Research. I have also worked in research on different algorithms like Deep Learning, topic modeling, SVM etc.

WORK EXPERIENCE

Principal Full Stack Engineer / Consultant - Freelancer
DIVVI Solutions INC - CANADA
Jan 2023 - Present

- Managing / Re engineering advertiser portal and divvi web.
- Applying optimization techniques to the pre built systems.
- Working on admin portal and divvi products.
- Enhancement of backend infrastructure and deployment process with AWS ECS, ECR and Fargate service.
- Setting up the environment for development process e.g (dev, stage, qa)
- Creating and maintaining the documents and user flow process.
- Working on Microservice created on nest js and node js.
- Working on react mui tailwind and microfrontend multiple features.
- Adding services for AWS Amplify and cognito for authentication.
- Implementation of multi user support modules and payment gateway for stripe and braintree.
- Cypress Component and E2E Testing.
- Mentoring and consulting the team to implement best practices.
- Collaboration with the top management in order to implementing new features in application.

Technologies used:

`Javascript` `Typescript` `AWS Amplify/Cognito` `Stripe` `Vimeo Integration` `Cypress` `React` `Redux` `NextJS` `MySQL` `NodeJS` `Postgresql` `AWS Fargate / ECS / ECR` `Docker` `Microservices` `Serverless Functions` `Git - CI/CD`

Full Stack Consultant - Freelancer
1point5 Technologies - UK
Apr 2022 - Dec 2022

- Working on ecommerce marketplace of farm and agriculture products.
- Setting up the relevent environment for development process e.g (dev, stage, qa).
- React Angular Python and Magento Microservice Deployement to GCP.
- Creating Interactive Components for multiple features.
- Cypress Component and E2E Testing.
- Mentoring and consulting the team to implement best practices.
- System architecture enhancement.
- Collaboration with the top management in order to implementing new features in application.
- Headless CMS implementation and workaround.

Technologies used:

`Javascript` `Typescript` `Cypress` `React` `React Native` `Redux` `NextJS` `Saleor.io` `MySQL` `NodeJS` `Postgresql` `GCP` `Docker` `Elasticsearch` `Kibana` `Logstash` `Microservices` `Serverless Functions` `Git - CI/CD`
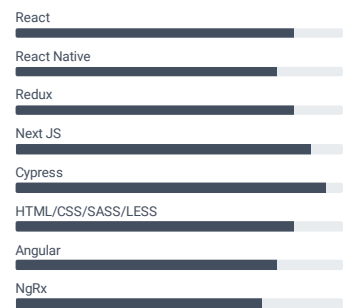
Lead Frontend Engineer - Freelancer
Nasus - NFT Portfolio - CA, USA
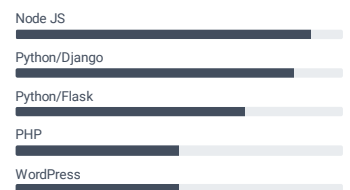Nov 2021 - Dec 2022

- Managing the whole frontend things of nasus marketplace.
- Configuring and managing CI/CD Pipeline (github pages, vercel, heroku)
- Managing frontend team to make better planning for components reutilization.
- Creating Components Design system using Storybook Documentation.

SKILLS & TOOLS

Frontend
React
React Native
Redux
Next JS
Cypress
HTML/CSS/SASS/LESS
Angular
NgRx

Backend
Node JS
Python/Django
Python/Flask
PHP
WordPress

Server / Deployment
AWS (Cloud Practitioner)
Microservice
Serverless Architecture Model
Elasticsearch / Kibana
Git / Bitbucket / GitLab - CI/CD
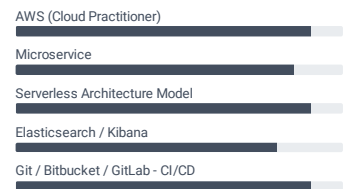
Artificial Intelligence
Deep Learning
Text Mining

Management
Leadership
Project Management
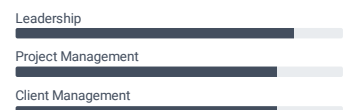Client Management

EDUCATION

- Working on Discord API to create NASUS BOT. The BOT can auto reply to users on discord, can give live users availability and total users in groups, it can only register the user who has specific role.
- Working on discord with user guilds management.
- Authentication using discord and twitter

Technologies used:

`Javascript` `Typescript` `React` `Discord` `Discord BOT` `NextJS` `Serverless Functions` `NodeJS` `Git - CI/CD` `Github Pages` `Vercel CI/CD`

Senior Software Engineer / Lead Full Stack Javascript Developer   Medznmore
Jan 2021 - March 2022

- Working and Leading the front end on React, Typescript, Redux and NextJS with many developers.
- Converting React Application to NextJS (with Redux Wrapper and React Hooks) for Server Side Rendering.
- Web Optimization / SEO For Google ranking and Web Crawling. Hands on experience in following the rules and strategies for optimizing web to rank the top index in search engines.
- Managing Serverless APIs created on Amazon Lambda and API Gateway.
- Managing Elastic Search (Amazon Elastic Search Service) throughout the application with logstash for transportation layer for Elastic Search and Kibana for managing the logs and analytics.
- Working on Gatsby and NodeJS with Express Mongoose and Apollo GraphQL to create Microservices for adding different features to app and supporting the non technical staff.
- Collaboration with the top management in order to implementing new features in application.

Technologies used:

`Javascript` `Typescript` `React` `React Native` `Redux` `NextJS` `HTML/SASS` `MySQL` `NodeJS` `Gatsby` `GraphQL` `AWS` `Elasticsearch` `Kibana` `Logstash` `Microservices` `Serverless Functions` `Git - CI/CD`

Lead Full Stack Javascript Developer   Livewire Labs
April 2020 - January 2021

Project Planning:

- Creating the technical document represents project overview and detailed structure.
- Modeling the project diagrammatic representation and creating use cases.
- Responsible of creating and managing ERD, project timeline, project specification document and user story document.
- Using agile methodology my responsibility is to creating the project backlog and assigning the scrum meeting with project manager.
- Taking daily report from developers under my leadership.
- Managing and versioning the application using GIT.

Backend Development

- Creating the technical document represents project overview and detailed structure.
- Modeling the project diagrammatic representation and creating use cases.
- Responsible of creating and managing ERD, project timeline, project specification document and user story document.
- Using agile methodology my responsibility is to creating the project backlog and assigning the scrum meeting with project manager.
- Taking daily report from developers under my leadership.
- Managing and versioning the application using GIT.

Frontend Development

- Creating application using Angular with famous libraries and plugins like NGINX, Bootstrap, Material Design etc.
- Creating application using React Redux and Formik.
- Assisting the employees to work on the front end development.

Mobile App Development

- Converting Wireframe to Mobile application structure using reactnative, nativebase and react-native-elements.
- Integrating and managing data and states using redux.

Deployment/DevOps

- Managing Domain and hosting of multiple projects.
- Server Migration from one hostgator to digitalocean.
- Deployment of API's on Heroku server
- Deployment of Web Portal and Websites on Firebase Domain.
- Deployment of Web Portal, Sites and API's on EC2 AWS using npm and nginx with pm2 (process management).
- Project Management Using Trello.

Technologies used:

`Javascript` `React` `React Native` `Redux` `Redux Thunk / Saga` `AWS` `Digitalocean` `Open SSH` `WordPress` `MySQL` `NodeJS` `Microservices` `Git - CI/CD`

Senior MEAN / MERN Stack Developer   Livewire Labs
May 2019 - April 2020

Backend / Database Development

- Creating the well architectural database schema of MongoDB in Node.js using Mongoose library and relational database schema of mysql in Nodejs using sequelize.
- Creating the RESTfull API's and Services that connect the client using backend RSS and JSON.
- Creating the portal on EJS(Embedded Javascript) template engine with Nodejs.
- Address and improve any technical issues.

AWARDS

🏆 **IU STARTUP AND EXPO 2019**
Got the First position award in the best final year project based on Research and development. The project was Automatic Bug Analyzer using Classic (Unsupervised) and Modern (Supervised) Approaches.

CERTIFICATION

🏆 **Upwork Skill Certification - Javascript Frontend Development**

Upwork Skill Certification - Javascript Front-End Development
`JavaScript` `Front-End Development`
Provider: Upwork
Issued: December 2022
Hide description

Certified talent demonstrate proficiency in JavaScript fundamentals such as data types, expressions, arrays, collections, prototype-based object-oriented programming. They also show an understanding of DOM, event classes, objects, and JavaScript web APIs. To prove their skills, talent must achieve a passing score on a manually reviewed technical test.

LANGUAGE

Urdu (Native)

English (Professional)

Chinese (Basic)

INTERESTS

Reading Books
Playing Games
Learning New Things

Frontend Development

- Creating the front end in angular 5+ with reusable separated components.
- Working Experience on Material Design Angular.
- Creating front end in EJS using Bootstrap and Materialize CSS library.

Android / IOS Development

- Creating the android and IOS application in IONIC 4 framework.
- Creating the PWA(Progressive Web Applications) on IONIC 4 with Angular 7 using Latest Javascript Plugins of Audios Videos and Chatting.

Deployment

- Experience of Deployment of Application and portal on server, docker and on firebase/heroku domain.

Server Side Development

- Experience of working on Live Servers.
- Handling the Server Scripts Written in javascript, python, perl and PHP.
- Write Core parts of the solutions.

Technologies used:

`Javascript` `React` `React Native` `Redux` `Redux Thunk / Saga` `AWS` `Angular` `NgRx` `Python` `Digitalocean` `Open SSH` `WordPress` `MySQL` `NodeJS` `Microservices` `Git - CI/CD`

Software Engineer / MEAN Stack Developer   Vectracom

June 2018 - May 2019

Backend / Database Development

- Creating Backend RESTFull API's using ExpressJS and mysql/mysql2 with sequalize database architecture schema.
- Optimization of the large queries for quick response in API's.
- Integration of the Email Notifications and Authentication Sending Module using Nodemailer with very popular NodeJS Template Engine EJS (Embedded Javascript) for Email Template to send.
- Creating the upload feature for Images, Videos and Files and integrated it with Amazon Cloud S3 for persistency or mounting the file on client`s dedicated server.
- Testing Using Chai and Mocha.
- Third Party payment gateway authentication using Stripe.

Frontend Development

- Creating the Dynamic Content Component and View Component which handled by controller component
- Conversion of the Custom HTML Template to Angular Reusable components with two-way binding properties..
- Creating The analytical Data Representation modules for portal.
- Working on angular validation and form controls.
- Working on angular google geocoding and autocomplete api's.
- Working Experience of Material Design, Ngx and NgBootstrap Modules.
- Integration of the firebase authentication with app.
- Currently Creating the portal of Vendor Subscription in React JS and Context.

Deployment

- Deployment of API's on Heroku server.
- Deployment of Web Portal and Websites on Firebase Domain.
- Deployment of Web Portal, Sites and API's on EC2 AWS using npm and nginx with pm2 (process management).
- Project Management Using Trello.

Technologies used:

`Ionic 4` `Angular` `NgRx` `Open SSH` `Linux Bash` `Live Servers` `Data Parsing` `Python` `PHP` `Perl` `Git - CI/CD`

Head of IT Department   The Future Academy

August 2017 - Present

- Managing IT Department, creating the attractive course content, managing IT staff, teaching the courses of web development and software development.
- Conducting Workshops and Seminars.
- Collaboration with another IT institutes.

Technologies used:

`Javascript` `React` `React Native` `Redux` `NextJS` `HTML/SASS` `MySQL` `NodeJS` `PHP` `Microservices` `Serverless Functions` `Designing` `MS-Excel`

Executive Developer   Cyber Freak Solutions

May 2017 - August 2017

- Creating the Company Based Desktop Software and Web Application on Script Case.
- Creating the database schema and Handling the database on large scale of organization.
- Making the diagrams for requirement specifications and design patterns.
- Creating the Websites on wordpress CMS using different plugins and themes. Migration of wordpress websites on another server

Technologies used:

`Javascript` `Scriptcase` `JQuery` `CMS` `GUI Designing` `HTML/SASS` `MySQL` `PHP`

Internee Software Developer   Cyber Freak Solutions

February 2017 - May 2017

- Application Development of POS (Point of Sales) System using Script Case.
- Database Structural implementation for Management system on MySQL Queries.

Technologies used:

`Javascript` `Scriptcase` `JQuery` `CMS` `GUI Designing` `HTML/SASS` `MySQL` `PHP`

Computer Operator / Data Entry Operator

Sharif & Co.

February 2015 - September 2015

- To create petitions and letters.
- To create the bill of clients.
- Maintain the log of all bills and petitions.

Technologies used:

`Project Management` `MS-Word` `MS-Excel` `MS-Powerpoint`

Office Assistant

Commodities Trading Company

June 2013 - January 2015

- To make income and sales tax invoices, letters, and undertaking of customs.
- To make the bills of Pakistan navy, Pakistan army, Pakistan air force, SUPARCO.
- Pakistan and Utility Stores Corporation of Pakistan and to Make the bank guarantee.

Technologies used:

`Project Management` `MS-Word` `MS-Excel` `MS-Powerpoint`