

Muhammad Ali

Senior Software Engineer

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Summary

Full Stack Developer with 9 years of experience across a broad spectrum of technologies including JavaScript, TypeScript, React, Angular, Vue.js, and Node.js. Expertise in backend frameworks like Laravel and Express.js, alongside solid proficiency in database systems such as MongoDB, MySQL, and PostgreSQL. Versatile in cloud platforms like AWS and Azure, and highly skilled in microservices architecture and containerization using Docker and Kubernetes. Adept in frontend development, implementing scalable UIs with React, Redux, and Tailwind, while also skilled in writing automated tests using Cypress, Jest, and Mocha. Experienced in CI/CD pipelines with Jenkins and Docker, following agile practices, SOLID principles, and leveraging tools like Jira and Trello. Knowledgeable in blockchain technologies such as Solidity, Web3.js, and Truffle, and driven by continuous learning and adapting to evolving industry trends.

Skills

Front-End	HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Redux / React Query, Vue.js, Vuex, Angular, Next.js, Tailwind CSS, Bootstrap, Material UI, SASS / SCSS, LESS, Styled Components, Responsive Web Design, RESTful APIs, GraphQL, Figma
Back-End	Node.js, Express.js, Nest.js, PHP, Laravel, Python, Django, Flask, Java, Spring Boot, C#, ASP.NET Core
Databases	MySQL, PostgreSQL, MongoDB, SQL Server, Oracle DB, Redis, Big Data (Hadoop/Spark)
Testing	Unit Testing, Integrating Testing, E2E, TDD, BDD, Jest, Mocha, Cypress, Selenium, Karma, Jasmine, Junit, UI Testing
DevOps	CI/CD Pipelines, Jenkins, GitLab CI/CD, Docker, Kubernetes, AWS(EC2, S3, RDS, Lambda), Azure DevOps, GCP, Git,
SDLC	Jira, SOLID principles, Scrum, Trello, Waterfall
Cloud	AWS, DigitalOcean
Blockchain	Solidity, Truffle/Hardhat, Web3.js/Ethers.js, IPFS

Education

Strayer University | Bachelor’s degree, Computer Science | Apr 2015 – Sep 2018

Experience

Expel | Apr 2023 – Present | Virginia, United States

Senior Software Engineer (React, Next.js, Web3.js)

- Developed and maintained Single Page Application (SPA) using React.js, ensuring smooth navigation between views to optimize user experience during application tasks.
- Implemented debugging and performance monitoring tools like Reactotron, Redux Dev Tools, and Genymotion, resulting in faster issue resolution and improved application stability.
- Refactored existing .NET applications to improve performance, reducing API response times by 30%.
- Led full-stack development of application built with ASP.Net, C# and Web API, integrating modern front-end technologies such as HTML5, CSS3, JavaScript, and Angular 15/16. Focused on design, coding, testing and WCF components for seamless service-oriented architecture.
- AWS Cloud Infrastructure expertise, managing services like EC2, S3, Route 53, and CloudWatch, along with AWS WorkMail for secure communication and enhanced infrastructure performance.
- Integrated Axios for handling AJAX requests in React Native, improving app responsiveness and backend communication.
- Utilized Node Package Manager (NPM) to install and manage development dependencies like angular-cli and TypeScript, ensuring the seamless setup of the Angular environment within Node.js applications.
- Collaborated on AWS integration to streamline server-side and client-side code interactions, improving the deployment pipeline and overall application efficiency.
- Developed automated unit and integration tests using Junit / Mocha / Jest / PyTest, improving code quality and maintainability.
- Refactored and optimized legacy codebases, reducing technical debt and improving system performance.

Eccalon | Oct 2019 – Mar 2023 | Maryland, United States

Senior Full Stack Developer

- Developed and maintained scalable MERN stack applications, optimizing performance and user experience.
- Implemented NgRx state management to optimize application performance and maintainability.
- Built reusable component Angular components, enhancing development efficiency and reducing redundant code.
- Built RESTful APIs and integrated GraphQL for efficient data fetching.
- Developed applications on AWS / Azure / GCP, implementing CI/CD pipelines for seamless development and release cycles.
- Follows Agile methodologies, participating in sprint planning, stand-ups, and code reviews to drive project success.
- Ensured security best practices, implementing authentication and authorization protocols such as OAuth, JWT, and role-based access control (RBAC).
- Designed and implemented dynamic, responsive React.js frontends with Redux and Context API for state management.
- Developed Node.js & Express.js backend services with authentication (JWT, OAuth, SSO).
- Developed and managed applications on AWS (EC2, S3, RDS, Lambda, API Gateway, CloudFront).
- Set up CI/CD pipelines using AWS Code Pipeline, GitHub Actions, and Jenkins.

Sunnova | Nov 2018 – Aug 2019 | Texas, United States

Frontend Developer

- Developed responsive and interactive UI components using React.js / Angular / Vue to enhance user experience.
- Optimized frontend performance, reducing page load times by 30%, improving SEO and accessibility.
- Collaborated with backend developers to integrate RESTful APIs, ensuring seamless data flow between client and server.
- Implemented state management solutions such as Redux/Vuex for efficient application data handling.
- Designed and maintained reusable UI components to streamline development and improve code scalability.
- Worked closely with UX/UI designers to translate wireframes into pixel-perfect, high-fidelity web applications.
- Ensured cross-browser compatibility and mobile responsiveness for applications across all major devices and browsers.
- Integrated third-party libraries and frameworks to enhance functionality and streamline development workflows.
- Debugged and resolved frontend issues, improving overall application stability and user satisfaction.
- Followed Agile methodologies, participating in sprints, daily stand-ups, and code reviews to maintain high development standards.