AHMED MIRZA

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PROFESSIONAL SUMMARY

Full-stack developer with 7+ years of experience, who's been around the block—building everything from seamless web apps to mobile experiences that just work. My journey's taken me through the world of React.js, Next.js, React Native, Node.js, and Python, where I've crafted scalable, high-performing systems that handle anything thrown at them. Along the way, I've transformed legacy codebases into lean, mean, reusable component machines, and streamlined CI/CD pipelines like a pro. When I'm not cooking up real-time apps or optimizing backend services, I'm mentoring the next wave of engineers and making sure every project is as smooth and secure as it is efficient. I love collaborating with design teams to make sure the end-user experience is always top-notch—and hey, I like to have some fun while doing it.

PROFESSIONAL EXPERIENCE

Codesy Consulting   **Nov 2022 - Present**
Sr Software Engineer

- Spearheaded the architecture of scalable web and mobile applications using React.js, Next.js, and React Native (CLI and Expo), improving frontend performance by 35% and reducing load times by 40%.
- Engineered high-availability backend services with Node.js (Express.js, NestJS) and Python (FastAPI), improving API response times and backend modularity, resulting in a 30% increase in system efficiency.
- Orchestrated the migration to a serverless microservices architecture with AWS Lambda and DynamoDB, reducing cloud infrastructure costs by 20%.
- Deployed CI/CD pipelines via GitHub Actions, Docker, and Kubernetes, accelerating deployment cycles by 30% and improving system reliability.
- Fortified application security with OAuth2 and JWT authentication, implementing comprehensive RBAC frameworks to safeguard user data across platforms.
- Led mentorship initiatives, upskilling junior engineers on scalable architecture, promoting clean code principles across teams.
- Developed data visualization dashboards with D3.js and Recharts, providing clients with actionable, real-time operational insights.
- Leveraged SQL and NoSQL databases (PostgreSQL, MongoDB) for efficient data storage and retrieval, optimizing query performance, and ensuring system scalability across multiple data layers.

Brooksource   **Jan 2021 - Oct 2022**
Software Engineer

- Spearheaded the development of real-time streaming apps using WebSockets, Node.js, and React, optimizing for thousands of concurrent users, ensuring seamless performance under high traffic.
- Led the migration of legacy monolithic systems to scalable, containerized microservices using Docker and Kubernetes, increasing deployment flexibility, and enhancing system resilience across environments.
- Engineered and optimized RESTful and GraphQL APIs with Django and FastAPI, reducing data retrieval times by 40%, while ensuring high availability and fault tolerance in production environments.
- Built reusable, modular React and React Native components with advanced state management via Redux and Context API, cutting development cycles by 50% and ensuring faster feature iterations.
- Integrated A/B testing and robust analytics frameworks, driving a 20% increase in user engagement by delivering tailored experiences based on user behavior insights.
- executed end-to-end CI/CD pipelines using GitHub Actions, Docker, and Kubernetes, ensuring rapid and secure deployments while maintaining a high level of system stability.
- Designed and optimized cloud-based backend architectures using Node.js (Express, NestJS) and Python (FastAPI), creating high-performing systems that scaled with demand and improving server response times by 30%.
- Built and maintained comprehensive testing suites using Jest and Mocha, adhering to TDD principles, ensuring quality and reliability across production-ready applications.

Tekrevol   **Feb 2018 - Dec 2020**
Frontend Developer

- Built lightning-fast web applications with React.js and TypeScript, optimizing load times and delivering a seamless user experience.
- Crafted responsive, accessible mobile apps using React Native, ensuring smooth performance across devices and reaching a wider audience.
- Enforced Next.js server-side rendering (SSR) and React Suspense, reducing time-to-interactive by 40%.
- Enhanced UI/UX through close collaboration with design teams (Figma, Adobe XD), driving a 30% increase in user retention.
- Implemented Next.js server-side rendering (SSR) and React Suspense, reducing time-to-interactive by 40%.
- Secured frontend applications against XSS and CSRF vulnerabilities through strict Content Security Policies (CSP).
- Refactored large legacy codebases into reusable component libraries, speeding up feature development by 25%.

EDUCATION   **March 2014 - Jan 2018**
Bachelor of Computer Science, University of Colorado

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python
- **Frontend Technologies:** React, React native, Angular, Redux, Next.js, HTML5, CSS, Tailwind CSS, Vue.js
- **Backend Technologies:** Node.js, FastAPI, Django, Flask, Express.js, FastAPI, REST APIs, NestJS
- **DevOps & CI/CD:** Docker, Jenkins, Kubernetes, Git, Azure DevOps, CircleCI, Travis CI
- **API Development & Integrations:** RESTful & GraphQL APIs, OAuth, JWT, Third-party API integrations (Stripe, PayPal, Twilio)
- **Databases:** MongoDB, SQL Server, MySQL, PostgreSQL, Redis, Elasticsearch
- **Cloud Platforms:** AWS, Azure, Google Cloud Platform (GCP), Firebase, Azure Devops
- **UI/UX Design:** Figma, Sketch, Adobe XD, InVision, Adobe Creative Suite
- **Security & Testing:** Penetration Testing, OAuth2, JWT, OWASP, Jest, Cypress, Selenium
- **Other:** OpenAI APIs, GPT integrations, AI-powered automation, Webpack, Babel, Serverless Framework, RabbitMQ, Kafka, D3.js, TensorFlow.js, Oracle Eloqua, GCS