

# SHEHZAD AHMED

## Senior Software Engineer

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### PROFESSIONAL SUMMARY

Senior Software Engineer with extensive experience in full-stack development, cloud infrastructure, and CI/CD automation. Proven track record of building scalable web and mobile applications using React, TypeScript, and AWS. Expert in implementing infrastructure as code (AWS CDK) and optimizing deployment workflows with GitHub Actions to enhance reliability and development speed.

### PROFESSIONAL EXPERIENCE

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#### SIMPLIFI PAY

Dubai, UAE

##### Senior Software Engineer

Sep 2024 - May 2026

- Developed and maintained SimplifiPay's core fintech product across web and mobile platforms, elevating performance, strengthening reliability, and delivering a smoother, more consistent user experience for a rapidly growing customer base.
- Implemented key product features—including transaction reporting, receipt reminder workflows, debit card branding, and a reusable React-based Web SDK—enabling smoother partner integrations and accelerating feature delivery across the platform.
- Built and launched SimplifiPay's public-facing websites for both B2B and B2C products, strengthening product visibility and directly supporting marketing and sales initiatives.
- Optimized the existing codebase through improved architecture, refactoring, and performance tuning, cutting technical debt and enabling faster, more scalable development across the engineering team.
- Introduced end-to-end testing with Cypress, strengthening QA coverage and reducing production issues through more reliable automated validation.
- Streamlined API usage and implemented best practices for data fetching and caching, delivering faster load times and more efficient API performance across the product.
- Engineered infrastructure as code solutions using AWS CDK and established robust CI/CD pipelines with GitHub Actions, improving deployment speed and reliability.
- Integrated AI-driven development tools and AI agents to accelerate coding workflows and enhance application intelligence through custom chatbots and MCP server implementations.

#### KODERLABS LLC

Karachi, Pakistan

##### Senior Software Engineer

Nov 2022 - Sep 2024

- Developed high-performance, maintainable applications for clients across fintech, e-commerce, and enterprise domains, ensuring robust solutions tailored to each business's needs.
- Built scalable web and mobile experiences using TypeScript, React.js, React Native, Vue.js, and modern JavaScript tooling to deliver reliable, high-quality user interfaces.
- Led end-to-end feature development—from requirements and architectural design through implementation, testing, and deployment—to deliver high-quality, production-ready functionality.

- Collaborated with design, product, and QA teams to deliver high-quality solutions aligned with client goals and project timelines.
- Improved code quality and engineering standards by introducing stronger development practices, reusable components, and performance-focused optimizations across multiple projects.
- Implemented infrastructure as code using AWS CDK and configured CI/CD pipelines using GitHub Actions to automate and optimize the deployment process.
- Leveraged AI-assisted development tools like Github Copilot and Claude Code to streamline feature development and experimented with agentic AI workflows to improve developer productivity.

#### ***YDRIVE – Ride Sharing Application***

- Developed all frontend applications—including Admin, Super Admin, Customer, Corporate User, Customer Mobile, and Driver Mobile apps—using React and React Native to deliver consistent, high-quality user experiences across the platform.
- Implemented real-time communication with Microsoft SignalR and built a live map dashboard for bookings and driver locations, enhancing operational visibility and enabling faster decision-making.

#### ***BHEALTHY – Online Therapy SystemApp***

- Developed and maintained the frontend web application, delivering a seamless and responsive user experience for both patients and therapists.

#### ***FISHFIN – Social Network for Fishing Community***

- Built the frontend admin application, equipping moderators and community managers with efficient tools for user and content management.

#### ***DAVINCI VAPORIZER DASHBOARD – Control Panel for Davinci Vapes***

- Handled full-stack development of the dashboard, enabling real-time device monitoring, analytics, and remote control capabilities.

#### ***RANGE WEBCHAT – Floating Chat SDK***

- Developed the frontend web application and SDK, enabling clients to seamlessly integrate a lightweight, responsive chat solution into their websites.

### **FINE SOLUTIONS**

**Karachi, Pakistan**

#### **Software Engineer**

**Feb 2022 - Oct 2022**

- Built the frontend for UrAudits' core auditing application, delivering a responsive and intuitive user interface.
- Led backend engineers in applying best practices, ensuring clean architecture, maintainable codebases, and scalable API design across the platform.
- Developed Next.js websites and landing pages, and implemented key features for a Human Resource Management System, including employee management and reporting tools.

### **ARTT BUSINESS SCHOOL**

**Karachi, Pakistan**

#### **Software Engineer**

**Dec 2020 - Jan 2022**

- Developed key features for the Learning Management System, including DRM-protected video lectures, Zoom-integrated live classes, and comprehensive examination modules.

- Built and optimized frontend and backend components to ensure smooth content delivery, responsive interfaces, and reliable user experiences across the platform.
- Contributed to the development of ARTT's accounting system, implementing core financial workflows and reporting features.

## **MARSOTECH**

**Karachi, Pakistan**

### **Software Engineer**

**Mar 2019 - Apr 2020**

- Developed a survey web application using ASP.NET MVC and Entity Framework, delivering a responsive and maintainable solution.
- Implemented core features for data collection, storage, and reporting, ensuring strong performance and reliable system behavior.
- Collaborated on frontend and backend integration to deliver a seamless, unified user experience across the application.

## **EDUCATION**

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### **VIRTUAL UNIVERSITY**

**Karachi, Pakistan**

*Bachelors of Computer Science*

**2019-2023**

### **APTECH COMPUTER EDUCATION**

**Karachi, Pakistan**

*Advance Diploma in Software Engineering*

**2017 - 2020**

## **TECHNICAL SKILLS**

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- **Programming:** JavaScript (TypeScript), Node.js
- **Frontend:** React.js, React Native, Vue.js
- **Backend:** NestJS, MySQL, MongoDB
- **DevOps & Cloud:** AWS, AWS CDK, Azure, CI/CD pipelines, GitHub Actions
- **Methodologies:** Agile, SDLC, Jira
- **AI & Agentic Tools:** Github Copilot, Claude Code, Gemini, Agentic AI, MCP servers, AI Chat bots