

Obaid Ullah

Senior Full-Stack Engineer

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Professional Summary

Senior Full-Stack Engineer with 6+ years of experience designing, developing, and deploying scalable enterprise-grade solutions across fintech, IoT, telecom, and e-commerce. Currently building a SAMA-licensed payments platform in Saudi Arabia with banking, card issuing, and government integrations. Specialized in event-driven microservices, cloud-native applications (GCP, AWS), and real-time data pipelines. Proven expertise in enterprise integration patterns, system modernization, Arabic/RTL product localization, and AI-assisted engineering workflows.

Technical Skills

Frontend Development: React.js, Next.js, TypeScript, Redux, Context API, Material-UI, Bootstrap, Tailwind CSS

Backend Development: Node.js, Express.js, Nest.js, Spring Boot, Microservices, REST APIs, GraphQL, Socket.io

Databases: PostgreSQL, MongoDB, MySQL, Redis, Prisma, Sequelize ORM, Database Design

Cloud & DevOps: GCP (Pub/Sub), AWS, Docker, Kubernetes, RabbitMQ, MQTT, CI/CD, Linux, Firebase, Message Queues

Programming Languages: JavaScript, TypeScript, Java, Python, HTML5, CSS3, SQL

Tools & Methodologies: Git, Webpack, Vite, Agile/Scrum, Microservices Architecture, Test-Driven Development, AI-Assisted Development (Agentic Coding Tools)

Domains: Payments & Fintech (SAMA-regulated), IoT/M2M, Arabic/RTL Localization, Data Visualization & Business Reporting

Professional Experience

Darb (DarbPay)

February 2026 – Present

Senior Software Engineer

Riyadh, Saudi Arabia

- Building Darb, a SAMA-licensed corporate expense and AI fleet management platform for the Saudi market — fleet fuel cards, procurement cards, and digital petty cash for enterprise clients
- Develop core platform features end-to-end using Node.js, TypeScript, and GCP, including event-driven microservices built on Pub/Sub
- Integrate with Arab National Bank, Visa card issuing, and Saudi government services (ZATCA e-invoicing, Muroor traffic violation detection) to power payments, compliance, and fleet operations
- Build multilingual notification and reporting systems with full Arabic/RTL support — transaction emails and VAT-compliant PDF/Excel financial reports with SAR handling
- Ship client-facing features including the referral program, spend controls, and admin/client portal UI, leveraging AI-assisted development workflows to accelerate delivery

Telenor, Pakistan

March 2024 – January 2026

Full-Stack Developer – IoT & M2M

Islamabad, Pakistan

- Architected and developed the AUXO IoT fleet management platform using microservices architecture, serving 5,000+ connected vehicles with real-time tracking, geofencing, and fleet analytics
- Implemented event-driven architecture with RabbitMQ for real-time communication between services, reducing latency for telematics event processing
- Built device integration pipelines over MQTT/TCP protocols for device onboarding, event ingestion, and IoT data management at scale
- Led the migration of legacy systems to cloud-native applications using AWS services and containerization with Docker
- Optimized database performance through indexing and query optimization, achieving 30% faster response times
- Collaborated with cross-functional teams on system architecture and coding standards, supporting 500% platform customer growth

Evamp and Saanga

Full-Stack Developer

August 2022 – February 2024

Islamabad, Pakistan

- Developed and maintained 6 major applications including Configuration Portal, ZamaKP, Biller Portal, and SAMA Portal serving 10,000+ users
- Engineered responsive user interfaces using React.js and Next.js, improving user engagement by 25%
- Implemented robust backend services with Spring Boot MVC and Node.js, ensuring 99.9% uptime for critical financial applications
- Integrated third-party APIs and payment gateways, processing transactions worth \$5M+ monthly
- Conducted code reviews and implemented testing strategies, reducing production bugs by 45%

BHinternet

Senior Frontend Developer & Team Lead

February 2020 – July 2022

Évry-Courcouronnes, France (Remote)

- Led frontend development for 40+ production client websites and web applications, managing a team of 3 developers and ensuring project delivery
- Implemented responsive designs and accessibility standards, achieving 95%+ Lighthouse performance scores
- Reduced bundle size by 40% through code splitting and asset optimization techniques
- Mentored junior developers and established coding standards, improving team productivity by 30%

Technical Projects

Driverwave RiderApp | React.js, Node.js, Express, PostgreSQL, Microservices

- Built scalable ride-sharing platform supporting real-time GPS tracking, fare calculation, and payment processing
- Implemented microservices architecture with message queuing, handling 1,000+ concurrent users
- Developed admin dashboard for ride analytics, driver management, and revenue reporting

Einaya Takaful | Next.js, Redux, Node.js, MySQL, AWS

- Developed health insurance platform with automated claims processing, reducing processing time by 70%
- Implemented secure user authentication and role-based access control for different user types
- Deployed on AWS with auto-scaling capabilities, ensuring high availability during peak usage

Vogue Decor | Next.js, Shopify Headless, Tailwind CSS, Storefront API

- Engineered headless e-commerce solution integrated with Shopify, processing 500+ monthly orders
- Implemented server-side rendering for SEO optimization, improving search rankings by 60%
- Developed custom UI components with Tailwind CSS, ensuring brand consistency across platforms

Optiva Tec Selfcare | React.js, Context API, Material UI, React Hook Form

- Developed telecom self-care portal for 50,000+ customers to manage services and billing
- Implemented complex form validation and state management for seamless user experience
- Integrated with telecom backend systems for real-time data synchronization

Education

University of Engineering and Technology

Bachelor of Science in Computer Software Engineering

2016 – 2020

Peshawar, Pakistan

- Relevant Coursework: Data Structures, Algorithms, Database Systems, Software Engineering, Web Technologies, Artificial Intelligence
- Graduated with distinction in Software Development and Web Technologies

Leadership & Achievements

Development Instructor & Mentor

University of Engineering and Technology

March 2022 – July 2022

Peshawar, Pakistan

- Taught full-stack web development to 50+ students, covering React, Node.js, and database technologies
- Developed comprehensive curriculum and hands-on projects, with 90% of students securing tech roles

Open Source Contributor

GitHub Community

2020 – Present

- Contributed to 10+ open source projects including React libraries and Node.js frameworks
- Built and shared full-stack reference projects — serverless REST APIs on AWS Lambda/CDK, MERN applications, and Node.js architecture patterns (MVC, REST, GraphQL)

Certifications & Professional Development

AWS Certified Solutions Architect – Associate — AI For Everyone (DeepLearning.AI)

Crash Course on Python (Google) — Software Engineering Virtual Experience