

Muhammad Mohsin

SENIOR SOFTWARE ENGINEER

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Professional Summary

Senior Full-Stack Engineer with 5+ years of experience building scalable applications across fintech, healthcare, and consumer technology sectors. Proven track record of leading technical initiatives, delivering high-impact solutions, and driving measurable business results. Expert in modern web technologies, cloud infrastructure, and AI integration with strong leadership skills in mentoring teams and managing complex projects. Passionate about transforming innovative ideas into production-ready solutions that solve real-world problems and create significant value for organizations and users alike.

Experience

Dosell AB

Stockholm, Sweden

FULL STACK ENGINEER

Dec 2022 - Present

- Built Cloud OCR automation system with Django/Celery and AWS infrastructure to eliminate manual alarm processing bottlenecks at ICE Malaga. Reduced manual intervention by 80% and improved response times by 60%.
- Led development of Dosell's first hybrid application (Flutter) to address procurement gaps within 2-month deadline. Enabled Finnish deal of 500-1000 units and secured 1M SEK ARR milestone.
- Architected scalable React.js/Next.js medical applications with code splitting and responsive design to resolve performance bottlenecks. Improved load times by 40% and achieved 99.9% uptime.
- Designed microservices architecture with NestJS, PostgreSQL, and event-driven patterns to replace legacy systems causing data bottlenecks. Increased throughput by 3x and reduced latency from 2000ms to 300ms.

Matrix Network International B.V.

Remote

SOFTWARE ENGINEER

April 2020 - Nov 2022

- Architected complete Bitcoin ATM solution with hardware integration, backend microservices, and Bitcoin mainnet/Lightning Network integration. Successfully deployed 22 ATMs across Spain processing secure cash and debit transactions.
- Built Venrecarga mobile recharge service with multi-payment gateway (BunQ, Stripe, PayPal, OpenNode) to address Venezuelan market communication needs during economic crisis. Generated significant revenue through high-volume transactions serving Venezuelan diaspora worldwide.
- Developed Rembit cryptocurrency remittance service with KYC compliance, anti-money laundering checks, and ETL pipeline (S3 to MySQL via Athena). Achieved €10,000+ in Bitcoin transfers within first month, demonstrating strong market adoption.

Projects

AI-Powered CV Generator

Personal Project

AI/FULL STACK DEVELOPER

2024 - Present

- Built AI-powered CV generation system that dynamically tailors resumes to job descriptions using multiple professional templates and automated content optimization.
- Helped 15+ professionals in my network secure job interviews and offers by creating targeted CVs that match specific job requirements and industry standards.
- Implemented YAML-driven architecture with Python scripts and LaTeX templates, enabling one-click CV generation and deployment for rapid job application workflows.

NearBuy

Personal Project

MOBILE DEVELOPER

2025 - Present

- Developed cross-platform Flutter mobile application that notifies users when they enter geofenced areas near stores where their shopping list items are available.
- Implemented location-based services with real-time geofencing, push notifications, and shared shopping lists for family and group coordination.
- Built backend API for store database management, product matching algorithms, and user group synchronization to optimize shopping efficiency and reduce forgotten purchases.

Cashy

Fintech Project

AI/DATA ANALYST & FULL STACK DEVELOPER

2023 - 2024

- Addressed critical gap in SME lending evaluation where organizations lacked real-time cashflow insights for accurate loan assessment and company growth prediction.
- Integrated Fortnox and Swedbank APIs to extract financial data, developed AI models using Python to project invoices, expenses, salaries, and profit trends with advanced Excel manipulation for data processing.
- Built comprehensive Next.js dashboard providing real-time cashflow visualizations and predictive analytics, enabling lending organizations to make data-driven decisions and reduce loan default risk by providing accurate company evaluation metrics.

Chivozon

MICROSERVICES AND FRONTEND DEVELOPER

- Created a WordPress plugin to synchronize WooCommerce stores for inventory and automated order processing.
- Developed a microservice, Ordering service, using Restful APIs, Sockets, and RabbitMQ for backend communication.
- Built frontend modules in Next.js and an admin dashboard in React.js.
- Configured RabbitMQ for production, including queues and exchanges setup.

Education

Blekinge Institute of Technology

MS COMPUTER SCIENCE

Karlskrona, Sweden

2022 - ongoing

- Courses: Machine Learning, Deep Learning, Big Data, Research Methodologies, Information Retrieval.

University of Gujrat

BS COMPUTER SCIENCE

Gujrat, Pakistan

2016 - 2020

- Courses: Programming Fundamentals, Data Structures, Algorithms, Artificial Intelligence, Networking, Databases.

Skills

JavaScript	React.js, Next.js, Nest.js, TypeScript, NodeJs, Express.js, Flutter
AWS	Athena, DynamoDB, S3, EC2, Lambda, CloudWatch, CodeCommit, CloudFront, Simple Queue Service (SQS), RDS, Terraforms
System Design	Microservices, Kafka, RabbitMQ, ElasticSearch/OpenSearch, Real-time event driven Applications, Design Patterns(Singleton, Factory, SOLID, Dependency Injection)
Databases	SQL (PostgreSQL, MySQL, SQL Server, Oracle DB), NoSQL (MongoDB, DynamoDB, Firestore)
DevOps Skills	Linux, Docker, Jenkins, CI/CD, Git, Gitlab, SVN
Hardware Skills	Arduino (ESP32, 8266), Raspberry Pi, MDB, Vending machines, Bill & coin acceptors and validators, Touch & paper screens, Serial communication
Soft Skills	Leadership, Professional Communication, Humble Attitude, Team Management, Time Management

Achievements

- Java Master Trainer by Oracle certified
- Java Foundations certified by Oracle
- MS Office Suit certified by Microsoft