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Senior Software Engineer with 9 years delivering scalable FinTech solutions, including digital onboarding, wallets, and microservices. Proven expertise in Node.js, NestJS, TDD, and CI/CD, with a strong track record of optimizing system performance and driving high-impact team delivery.

Skills

- **Programming Languages:** JavaScript (ES6+), TypeScript, Python, SQL, Bash Scripting
- **Frontend Frameworks:** Angular.js, React.js
- **Backend Frameworks:** Node.js, Nest.js, Express.js, GraphQL, REST APIs, Knex.js
- **Databases:** MySQL, MongoDB, PostgreSQL
- **DevOps & Cloud:** Docker, Docker Swarm, Kubernetes, AWS (EC2, S3, Lambda), Microsoft Azure (App Services, Functions), CI/CD, Azure Pipelines
- **Development Practices:** Unit Testing, Test-Driven Development (TDD), Test Automation, Pair Programming
- **Tools & Technologies:** Git, Redis Cache, RabbitMQ, Nginx, Linux

Work Experience

Principal Software Engineer <i>Product engineering team</i>	Aion Digital - Fintech Riyadh, Saudi Arabia (Remote)	Jan 2023 - Present
● Designed and led the development of corporate banking portals used by 100+ organizations across regional banks, enabling digital self-onboarding and approval workflows through Camunda, and reducing manual processes by 60%. ● Architected backoffice modules to manage corporate access, service controls, and bank settings, cutting onboarding time from 3 days to under half a day through deep integration with core banking and verification APIs. ● Led agile delivery across 10+ sprints using Jira, managing planning, backlog, and retrospectives while supporting 3 major go-lives, accelerating time-to-market for corporate banking features.		
Senior Software Engineer <i>Product Engineering team</i>	Aion Digital - Fintech Manama, Bahrain (Hybrid)	Mar 2020 - Dec 2022
● Led backend development of digital onboarding microservices using Node.js, NestJS, and GraphQL, enabling customers to open bank accounts remotely through OCR, card scanning, selfie verification, and AML checks. ● Reduced onboarding time to under 5 minutes, contributing to a 40% increase in customer acquisition during COVID-19 by helping banks digitize their onboarding processes. ● Built reusable services (notifications, identity, onboarding orchestration) and collaborated on architecture, CI/CD, and API design to support mobile and frontend teams across iOS and Android platforms.		
Software Engineer <i>Middleware team</i>	Zameen.com - Real Estates Lahore, Pakistan (On-site)	Jul 2018 - Feb 2020
● Contributed to the development of RESTful APIs for an internal lead management system used by Bayut.com and Zameen.com call centers, streamlining the handling of 100,000+ monthly Facebook leads and improving cross-team data flow. ● Developed and integrated key modules for the internal HRMS system, improving employee attendance, payroll management, and onboarding processes, resulting in reduced administrative overhead by 50%.		

- Contributed in backend development for an online course platform (Udemy-style) using Django and PostgreSQL, enabling user subscriptions, content access, and payment integration for scalable course delivery
- Collaborated with frontend and mobile teams while gathering requirements from clients, translating business needs into technical specifications and accelerating project delivery through clear cross-team coordination.

Projects

SME Digital Banking Platform

[Banque Saudi Fransi, KSA](#)

- Led end-to-end development of a fully digital SME onboarding and banking platform (30+ features including transfers, payments, term deposits, and card management), eliminating branch dependency and streamlining business customer journeys.

Digital Wallet Complete Solution

[FriendiPay, Oman](#)

- Developed a secure digital wallet with easy onboarding which onboard customers in 2 minutes.
- Engineered a digital wallet system supporting P2P transfers, merchant payments, and KYC, used by thousands of users.
- Delivered wallet APIs with NestJS, Knex.js; implemented 2FA, Redis caching, and CI/CD pipelines for secure, high-performance transactions.

Internet Banking

[Kuwait Finance House - Bahrain](#)

- Developed features like fund transfers, bill payments, and MFA; integrated with Core Banking APIs.
- Built responsive dashboards using Angular and React, improving digital adoption during COVID-19.

Corporate Internet Banking

[JS Bank - Bahrain](#)

- Delivered bulk payments, payroll, and trade finance modules, used by 100+ corporate clients.
- Designed and implemented multi-level approval workflows with Camunda; integrated SWIFT, OAuth 2.0, JWT, and RabbitMQ for secure, scalable operations.

Other Projects

- **Real Estate Portals** – Built property search platforms with Elasticsearch, Google Maps API, and Nodejs.
- **Business Leads Management** – Automated lead tracking, scoring, and CRM integration.
- **HR Management** – Developed payroll, attendance, and onboarding systems..
- **Online Learning Platforms** – Created course management, video lectures, and virtual classrooms with scalable APIs.

Education and Certifications

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| • Bachelor's Degree, Computer Sciences , Grade: 3.64/4.0 , GC University Faisalabad, Pakistan. | 2013–2017 |
| • Nano-Degree, Data Analyst , Udacity. | 2019–2020 |
| • McKinsey Forward Program | 2024-2024 |