

SYED TALHA AHMED GARDAZI

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SUMMARY

Full-stack software engineer with 3 years of fintech experience building high-throughput reporting systems, loan origination platforms, and scalable microservices at Bank Al Habib (1,000+ branches, 10M+ customers). Delivered 40% faster report generation and 2x concurrent capacity improvements across core banking systems. Pursuing an MSc in Computer Science at ELTE, Budapest, and seeking backend/full-stack roles in Europe.

CERTIFICATIONS

Google Associate Cloud Engineer — Google Cloud Platform (GCP) | Certified in Cybersecurity (CC) — ISC2

SKILLS

Backend: Node.js/Express, TypeScript, Java (Spring Boot, Spring MVC, Spring Security, Hibernate), ASP.NET Core (C#), Python

Frontend: React, Vue, JavaScript (ES6+), XState, Redux, Vuex

Databases: SQL Server, PostgreSQL, MongoDB, IBM DB2, PL/SQL

DevOps/Cloud: Docker, GitHub Actions, GitLab CI/CD, Nginx, Linux (Ubuntu/CentOS), Google Cloud Platform (GCP)

Testing: JUnit, Jest, Playwright, Selenium

EXPERIENCE

Bank Al Habib — Software Engineer | Karachi, Pakistan Oct 2022 – Aug 2025

- Reduced cross-team integration issues by standardizing OpenAPI/Swagger specifications across 10+ RESTful microservices (Node.js/TypeScript, Spring Boot), enabling consistent API contracts and accelerating onboarding for 8+ developers across 3 banking domains.
- Enterprise reporting platform (Spring Boot + REST + BIRT): Implemented pagination, query optimization, and API connection pooling, reducing report generation time by 40% on 10k+ record jobs and doubling concurrent capacity from 50 to 100+ simultaneous users.
- Bank statement module: Designed and delivered a standalone statement generation service processing 5,000+ statements/month with audit-ready logging, cron-based scheduled jobs, role-based access control, and multi-format export (PDF/CSV); documented all endpoints via Swagger UI.
- Architected micro-frontend system with XState state machines for multi-step loan origination workflows, cutting frontend development time by 30% through shared component reuse across 3+ modules and reducing UI state-related defects by 40%.
- Loan origination and maintenance: Migrated a manual Excel-based workflow to ASP.NET Core MVC + SQL Server, processing 200+ loan applications/month with stateful lifecycle management, multi-level validations, and audit-ready ELK logging with full-text search and reporting dashboards.
- Established CI/CD pipelines (Docker, GitHub Actions, GitLab CI) automating build, test, and deployment to Linux/Nginx servers, reducing release cycle from 2 hours to 15 minutes and achieving 80%+ test coverage via JUnit/Jest unit and Playwright end-to-end tests.
- Built and maintained backend endpoints in Node.js/Express for advanced search, filtering, and bulk data export; introduced DTO validation (class-validator/Joi), centralized error-handling middleware, and structured logging for consistent, traceable API responses.
- Mentored 2 junior developers on REST API design patterns, Spring Boot best practices, and code review standards; led cross-team architecture discussions on microservice boundaries, shared component strategy, and API versioning policies.

PROJECTS

Learning Management System (Flutter + Django REST)

- Developed a cross-platform LMS serving 300+ active students with JWT authentication, role-based grade tracking, and a Django REST backend; automated WhatsApp notifications via Twilio API, eliminating 5 hours/week of manual faculty communication and improving announcement reach to 95%+ of enrolled students.

E-commerce Platform (React, Node.js, Stripe)

- Built a full-stack e-commerce platform with Stripe payment integration, server-side rendering, and circuit-breaker pattern for fault-tolerant API calls; optimized for sub-2s initial page load via code splitting, lazy loading, and image optimization across 50+ product listings.

EDUCATION

Eotvos Lorand University (ELTE), Budapest Sep 2025 – Present
MSc, Computer Science for Autonomous Systems (in progress)

Coursework bridging systems engineering and software: Advanced Algorithms, Software Quality and Testing, Data Science, Numerical Optimization, Deep Reinforcement Learning

Institute of Business Administration (IBA), Karachi Aug 2018 – Jun 2022
BS, Computer Science

Relevant coursework: Cloud Computing, Network Security, Data Warehousing, Application Development for Mobile Devices