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SUMMARY

Full-Stack Software Engineer with experience in Fintech industry delivering highly refined SDKs for enterprises and knowledge in many technologies from architecting a hospitality cloud-native B2B2C startup from the ground up.

EXPERIENCE

Full-Stack Software Engineer

Sept '24 – Present

Worldpay / Global Payments

London, Hybrid

- Architected a greenfield iOS Payments SDK (Card, Wallet, APMs) via a unified protocol to slash enterprise merchant integration time from weeks to days
- Engineered a React/TypeScript integration-testing portal proxying API requests to pre-production environments, empowering merchants to validate flows and to reduce guest checkout errors to zero post-release.
- Leveraged Kotlin coroutines for concurrent API orchestration, reducing co-branded card display latency.
- Mentored junior engineers through code pairing, enforcing PCI-DSS compliance and Test-Driven Development (TDD).

Software Engineer

Feb '24 – Aug '24

Peregrine

Greater London, Hybrid

- Engineered scalable backend microservices in Java and Spring Boot, optimising Spring Data JPA connection pooling and enforcing strict transaction isolation levels to securely handle high-throughput workloads.
- Optimised PostgreSQL and Redis schemas, reducing API response latency by 40% and significantly improving overall system throughput.
- Built automated Jenkins CI/CD pipelines to increase release frequency and enforce quality gates and 100% test coverage prior to deployment.

PROJECTS

[1] Hospitality Startup Co-Founder

Sept '22 – '26

- Delivered a multi-tenant B2B2C platform serving 20+ clients, including a flagship enterprise hotels.
- Deployed Dockerised microservices ensuring 99.9% uptime for 10,000+ monthly active users.
- Routed traffic via Cloudflare CDN for secure edge-level SSL termination and optimized static asset delivery.
- Engineered an ACID-compliant distributed session manager to synchronise real-time shared carts, preventing inventory race conditions during peak concurrent ordering across enterprise venues.
- Architected a fault-tolerant payment orchestration layer handling complex PSP integrations to automate multi-vendor payouts, dynamic platform fee splits, and custom loyalty point conversions.
- Integrated with 10+ legacy enterprise POS systems via APIs, automating KDS ticket injection and eliminating manual backend data entry.

[2] Custom E-Commerce Platform

Mar '26 - Present

- Engineered a full-stack e-commerce platform processing £10k+ in monthly transaction volume.
- Implemented WebSockets for real-time delivery tracking and sub-second state synchronization.
- Automated inventory management, reducing manual back-office administration by 15+ hours per week.

[3] EIBF Startup Competition – Winners [SALUTEM]

Jun '22

- Won £1,500 prize by building a Kotlin health app and Python ML diagnostic models.
- Improved diagnostic accuracy by 30% through predictive modeling.

EDUCATION & CERTIFICATIONS

BEng Electronic Engineering, 2:1 - University of Warwick

Sept '19 - Oct '22

Computer Science - Software Engineering (Data) - AiCore

Sept '23 - Jan '24

Certifications: AWS Cloud Practitioner ('24), Azure Fundamentals ('23)

SKILLS

Languages: TypeScript/JavaScript, Java, Kotlin, Swift, Python, Golang, HTML5/CSS3

Frontend & Mobile: React, Next.js, Tailwind CSS, Redux, iOS (Swift), Webpack/Vite

Backend & Architecture: Node.js, NestJS, Express, Spring Boot, REST APIs, GraphQL, WebSockets, Microservices

Databases & Messaging: PostgreSQL, MySQL, MongoDB, Redis, Cassandra, Oracle, InfluxDB, Elasticsearch, Kafka, AWS (SQS, SNS, EventBridge)

Cloud, DevOps & Security: AWS, Docker, Kubernetes, Terraform, Linux, Git, CI/CD (Jenkins, GitLab, GitHub Actions), Testing (Jest, JUnit, Cypress), Splunk, Grafana, ELK, PCI-DSS, IAM, Snyk