

James Harrison

j.harrison.dev@outlook.com | 07700 900210

PROFESSIONAL SUMMARY

Senior Software Developer with over 8 years of experience building high-performance distributed systems. Expert in Java, Spring Boot, and Kubernetes, with a proven history of optimising microservices to reduce latency by 35 per cent. Adept at leading cross-functional teams to deliver enterprise-grade cloud solutions that support millions of daily active users.

WORK EXPERIENCE

Senior Software Engineer | Stellar FinTech | London, UK

Nov 2019 - Present

- Led the migration of a legacy customer portal to a React and GraphQL frontend, resulting in a 50 per cent faster page load time for 500k monthly users.
- Developed a custom internal CLI tool in Go that automated environment setup, saving the engineering team approximately 200 hours of manual work per month.
- Architected a serverless backend using AWS Lambda and DynamoDB that handled a 300 per cent spike in traffic during peak retail seasons without downtime.
- Mentored 4 junior developers through weekly code reviews and architecture design sessions, improving team velocity by 15 per cent.
- Reduced annual cloud expenditure by £65,000 by implementing automated resource tagging and optimising EC2 instance types.

Software Developer II | DataPeak Systems | Manchester, UK

May 2016 - Oct 2019

- Scaled a real-time analytics engine using Apache Kafka and Java, increasing data throughput capacity from 500GB to 2TB per day.
- Authored over 150 unit and integration tests using JUnit and Mockito, increasing code coverage from 60 per cent to 92 per cent across core services.
- Collaborated with UX designers to implement a responsive dashboard that increased user engagement metrics by 22 per cent within the first quarter.
- Integrated third-party payment gateways including Stripe and Braintree, ensuring PCI-DSS compliance for all transactions.
- Resolved a critical memory leak in the production environment that improved system uptime from 99.5 per cent to 99.99 per cent.

Junior Web Developer | NorthWest Web Media | Manchester, UK

Jun 2014 - Apr 2016

- Built and maintained RESTful APIs using Node.js and Express to support a mobile application with 100,000 active installs.
- Optimised SQL queries and database indexing in PostgreSQL, reducing average report generation time from 15 seconds to 2 seconds.
- Developed a reusable UI component library that decreased frontend development time for new features by 30 per cent.
- Assisted in the transition from Subversion to Git, leading internal training sessions for the transition during the sprint cycles.

EDUCATION

Imperial College London | Master of Science | Computer Science

Sept 2012 - May 2014

University of Manchester | Bachelor of Science (Hons) | Computer Science

Sept 2008 - May 2012

SKILLS

Java, Python, TypeScript, Go, C#, SQL, Spring Boot, React, Node.js, Django, Next.js, AWS (EC2, S3, Lambda), Docker, Kubernetes, Terraform, Git, CI/CD Pipelines, Agile/Scrum Methodology, Technical Mentorship, System Design Architecture, Cross-team Collaboration

CERTIFICATIONS

AWS Certified Solutions Architect – Professional | Amazon Web Services (Aug 2022)

Certified Kubernetes Application Developer (CKAD) | The Linux Foundation (Mar 2021)

LANGUAGES

English (Native)

German (Professional Working Proficiency (B2))

ACTIVITIES

Open Source Contributor

Active contributor to several popular JavaScript libraries on GitHub with over 50 merged pull requests.

Tech Speaker

Presented at the 2023 Silicon Milk Roundabout conference on the topic of Scaling Microservices.