LEE PAUL JOHNSON WALLACE

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ABOUT

I'm a Software Engineer who thrives on developing and running distributed systems. I have a proven track record in writing scalable, resilient software and architecting reliable systems.

PROFESSIONAL EXPERIENCE

Arm   **Aug. 2021 – Present**
Software Engineer   *Cambridge, UK*

Engineer on the Partner Enablement infrastructure team, tasked with maintaining and leading projects on container-based infrastructure and developing internal tooling that 500+ engineers rely on.

* Highlights include leading and mentoring our team on migrating from on-prem to EKS Cluster, reducing CI pipeline duration by 70%, leading backend development of Java microservices for Arm's documentation platform.

* Writing performant, scalable software with Spring Boot and Go.

* Leading system design proposals and DevOps integration to ensure our systems are scalable and resilient.

* Introduced new dev tools to the org: Kiali for monitoring service traffic, Jaeger for tracing requests from start to finish and FluentBit for log aggregation.

* Configuring the monitoring and alerting infrastructure with Prometheus, AlertManager and Grafana. Including custom services to monitor the health of synthetic transactions.

EDUCATION

University College London (UCL)   **Sept. 2020 – Sept. 2021**
*MSc Software Systems Engineering - **Distinction***   *London, UK*
University of Greenwich   **Sept. 2016 – July 2020**
*BSc Business Information Technology - **First Class Honours***   *London, UK*

SKILLS

Working experience with: Java (Spring Boot), Python and YAML. Limited knowledge of Go.
Data and networking technologies: Nginx, UNIX shells, Docker and continuous integration systems (Jenkins, ArgoCD, GitLab CI, GitHub Actions), Coveo. Messaging systems including Kafka.
DevOps: Experience building, running and maintaining Kubernetes and cloud services, using provisioning tools like Terraform alongside monitoring using tools including Prometheus, Grafana and Jaeger.

Able to grasp new programming languages, frameworks, systems and APIs rapidly.

PROJECTS

More projects (plus source code) are available at https://github.com/leepjwallace/

Improving memory optimisation in Java Using Mutation Testing to evaluate memory consumption for improved performance.
Great Ormond Street Hospital: Neo4J: Experience building, running and maintaining Kubernetes and cloud services.
Java By Example: A small tutorial website that covers Java basics, data types and popular algorithms.
Go Reg Go: A service that provides details of a vehicle and MOT data given a UK Vehicle Registration.