

Asel Mansika Kitulagoda

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Summary

Kotlin and Java developer with experience in large, distributed applications and high-quality delivery of projects at different lifecycle stages. Results-oriented and focused on delivery through easily testable systems. Passionate about continuous learning and adapting to new challenges.

Work Experience

- Software Engineer** – *JUXT - HSBC (Equities Lifecycle Systems)* *Apr 2025 – Present*
- Build a quoting API for equities in the pre-trade lifecycle, enabling booking of structured products
 - Design high-performance self-service data store for quants, handling TBs of data with low-latency access
 - Enable AI workflows for developers within the equities space; key contributor to common libraries and service frameworks
- Software Engineer Team Lead** – *JUXT - Giraffe (NCL risk management, UBS)* *May 2024 – Apr 2025*
- Contribute to 70% reduction in total cost of ownership through environment consolidation and infrastructure virtualisation
 - Act as SME for Giraffe; line manager to 12 consultants and contractors; coordinate migration to Zurich datacenter
 - Introduce Kotlin into multi-module monolith; integrate observability stack with alerts for application health
- Software Engineer** – *JUXT - Giraffe (Strategic IB Global Risk Management, CS/UBS)* *Nov 2022 – May 2024*
- Deploy Giraffe microservices to Azure (AKS); develop dynamic messaging with Artemis for real-time consumer rebalancing
 - Engineer multitenancy support for cost optimisation; rewrite Ansible deployments (60 mins → 5 mins)
- Software Engineer** – *JUXT - Emu (Risk Valuation Client, CS)* *Apr 2021 – Nov 2022*
- Build valuation client directing risk workload to computational grids (on-prem and cloud); deploy Emu to Azure (AKS)
 - Retire legacy valuation client and build Emu multi-mode for efficient risk workload processing
- Software Engineer** – *JUXT - Artis Works* *Dec 2020 – Apr 2021*
- Key role in early-stage development of Folio, a commodities trading platform (crude, oil and gas)
 - Implement EOD data processing pipelines; integrate market data from PVM and ICE Brent futures
- Consultant** – *Sprint Reply UK* *Oct 2020 – Dec 2020*
- Implement full-stack chatbots with NLP modules and live chat integrations; translate business requirements into technical solutions
- Teaching Assistant** – *University of Bristol* *Sep 2019 – Jun 2020*
- Team lead and mentor for agile programming teams in Software Product Engineering; provide technical guidance to students
- Advanced Systems Intern** – *Boeing Defence UK* *Jun 2019 – Sep 2019*
- Develop containerised front-end applications using Vue.js and Docker; build system management components for maritime data collection

Education

- University of Bristol** – BSc Computer Science, First Class Honours *Sep 2017 – Jun 2020*
- Modules: Databases and Cloud Concepts, AI with Logic Programming, Computer Graphics, Machine Learning, Web Technologies

Technologies

Languages: Kotlin, Java **Cloud:** GCP, Azure (AKS) **Frameworks:** Ktor, HTTP4K
Tools: Grafana, Splunk, OpenTelemetry, Ansible, Docker, Redis, MongoDB, ArtemisMQ, GitLab CI/CD, Gradle, JUnit