

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)	<i>Apr 2025 – Present</i>
◦ 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)	<i>May 2024 – Apr 2025</i>
◦ 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)	<i>Nov 2022 – May 2024</i>
◦ 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)	<i>Apr 2021 – Nov 2022</i>
◦ 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	<i>Dec 2020 – Apr 2021</i>
◦ 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	<i>Oct 2020 – Dec 2020</i>
◦ Implement full-stack chatbots with NLP modules and live chat integrations; translate business requirements into technical solutions	
Teaching Assistant – University of Bristol	<i>Sep 2019 – Jun 2020</i>
◦ Team lead and mentor for agile programming teams in Software Product Engineering; provide technical guidance to students	
Advanced Systems Intern – Boeing Defence UK	<i>Jun 2019 – Sep 2019</i>
◦ 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	<i>Sep 2017 – Jun 2020</i>
◦ 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		