

Peter Keves

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WORK EXPERIENCE

Apr 2022 Sep 2026	Citadel Securities <i>System Software Engineer</i> - Owned Artifactory, Bitbucket, Subversion, Perforce and broader developer infrastructure across Citadel and Citadel Securities; expanded the service portfolio while reducing the engineering headcount required to operate the services from 3 to 1 through standardisation and automation, with services supporting up to 6,000 users at 99.98%+ availability. Cut ~\$450k in annual operating costs through Artifactory garbage-collection tuning, Perforce cloud migration and decommissioning, and infrastructure and tool consolidation. - Built a low-latency, concurrent system capturing Bitbucket commits and enriching them with file metadata published to InfoSec systems for approval and restriction enforcement in downstream builds. Eliminated recurring Artifactory and Bitbucket outages and concurrency issues, using OTEL telemetry and stack traces to pinpoint issues in the Java source code and propose fixes to vendors. - Led OSS licence and vulnerability controls for third-party artifacts, helping protect against multiple software supply-chain attacks, including Shai-Hulud; replaced weeks-long manual approvals with instant access for policy-compliant packages while enforcing firm-wide licence restrictions, including AGPL.	<i>London, United Kingdom</i>
Feb 2021 Mar 2022	Nomura <i>SDLC Engineer · Consultant</i> - Owned and developed a suite of Python Ansible modules used in firm-wide deployments, improving resilience and reducing operational support. - Built a self-service SDLC platform in React and Node.js, exposing engineering workflows through a web UI and REST API.	<i>London, United Kingdom</i>
Jun 2019 Nov 2020	Morgan Stanley <i>Java Engineer · Consultant</i> - Built a trade-tracing system in Python, SQL and ServiceNow, automating end-to-end production investigations and eliminating manual workflows. Led Python 3 migration and security remediation across 20+ legacy codebases, patching vulnerable OSS libraries and decommissioning obsolete systems across Java, Python and Perl.	<i>London, United Kingdom</i>

EDUCATION

Oct 2015 Jun 2018	Lancaster University <i>BSc (Hons) Computer Science — Upper Second-Class Honours (2:1)</i> Dissertation: Q-Learning reinforcement learning research in an adaptive environment, implemented in Python.	<i>Lancaster, United Kingdom</i>
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SKILLS

Programming, Systems & Infrastructure

Python · Java · SQL · Data Structures & Algorithms · Multithreading & Concurrency · Distributed Systems · Performance Optimisation · Linux · Terraform · OpenTelemetry · PostgreSQL · ClickHouse · Kafka · gRPC · TCP/IP · Kubernetes · Docker · GCP · AWS

Quantitative & Data

Probability & Statistics · Statistical Modelling · Time-Series Analysis · Market Data · Backtesting · NumPy · Pandas · SciPy · Numerical Optimisation

Machine Learning & AI

Machine Learning · PyTorch · ML Systems · AI Automation · LLM Post-Training (SFT, DPO, GRPO) · Model Evaluation · Hugging Face · vLLM · Weights & Biases

LANGUAGES

FLUENT: Mandarin, English, Spanish, Slovak, Czech