

# Junaid Mohammad

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## Experience

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### Morgan Stanley | Software Engineering Degree Apprentice

2023 – 2027

#### Andrew File System Engineering

Sep 2025 – Present

UNIX, Python, Perl, AFS, CI/CD, Git

- Revived and modernised a dormant Python test suite – handled full DevOps (dependency management, linting, language upgrade) to restore full testing coverage
- Built and deployed a new monitoring dashboard using Streamlit and a REST API for direct data querying

#### Prime Brokerage Tech & Client Services

Sep 2024- Sep 2025

Angular, Typescript, SSL, Bootstrap, Project & Production Management, Git

- Successfully led the department-wide SSL Migration initiative across all PB apps
- Developed HTTP interceptors, configured load balancers, and contributed to the design of a secure gateway for internal request routing
- Contributed to Angular UI development, and independently led the initiative to expand PB applications for mobile use across the PB Desk.
- Authored a comprehensive regulatory workflow document for our PB Onboarding system, liaising between Technology and business stakeholders to bridge domain understanding

#### FX – Application Support (Production Management)

Sep 2023 – Sep 2024

Python, Angular, Perl, UNIX, Git, Financial Markets

- Supported internal FX Trading Platform, diagnosing technical errors, dealing with traders, and providing timely solutions to minimise business impact
- Developed full stack Angular-Python web tools to automate internal SRE workflows, reducing manual intervention
- Drove modernisation efforts by converting Perl scripts to Python and upgrading legacy RHEL systems, improving long-term maintainability and stability
- Led database design discussions and implemented tables in Sybase to extend existing python backend functionality

## Education and Achievements

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2023 – 2027	BSc DTS Software Engineering at <b>Queen Mary University of London</b>	(Predicted Grade 1st)
	<ul style="list-style-type: none"><li>• 98% in Software Engineering</li></ul>	
2021 – 2023	A Levels at <b>Herschel Grammar School</b>	(Grade: A*AAB)
	<ul style="list-style-type: none"><li>• Maths, Computer Science, EPQ, Physics</li></ul>	
2023	Machine Learning at <b>Stanford University</b>	(Grade: 1 <sup>st</sup> )
2025	Financial Markets at <b>Yale University</b>	(Grade: 1 <sup>st</sup> )
2025	Encode Blockchain & AI Hackathon	(Place: 1 <sup>st</sup> )

## Projects and Skills

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### afterquote | Python, PyPi, pandas, CI/CD

- Python package that simulates after-hour quotes for leveraged derivatives
- Designed a simple Python API, extending yfinance with market calendar and holiday logic
- Distributed on PyPi with semantic versioning, dependency management, docs & release notes

### Forecastly | Python, streamlit, pandas, CI/CD

- Developed a web app, integrating weather data with commodity prices measuring correlation
- Implemented and tuned Machine Learning models to predict six-month forward pricing
- Engaged stakeholders to ensure smooth project delivery and ensure alignment on requirements

### Open Source Streamlit Contributor | Python

- Contributed merged improvements to Streamlit after identifying areas for improvement during personal use

**Skills:** Python, UNIX, Typescript, Angular, React, CSS, Kotlin, Git, SQL, Unit Testing, CI/CD