

SIMON POOLE

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KEY SKILLS

- Excellent Cloud experience (GCP/AWS), with a focus on serverless and cloud-based databases
- Excellent experience designing and implementing scalable cloud architectures.
- Excellent experience designing and optimising event-sourcing based systems.
- Strong experience scaling products from seed stage to significant user numbers
- Experienced in driving engineering culture and process improvements in a startup environment
- Experienced at interviewing other engineers, and contributing to improving hiring practices

EXPERIENCE

ELEPHANT HEALTHCARE

SENIOR SOFTWARE ENGINEER – INVEST / TRADING (2021 – 2021)

- Contributed to designing, developing and shipping a new Stock Management system which significantly increases ease and speed of use for clinics, reducing necessary inputs by 50% and improving search functionality for products.
- Contributed to planning and development of design system to promote consistency and quality UX across a fragmented web application, consolidating React components
- Contributed to backend microservice development using Apollo GraphQL to provide a single federated API endpoint

FREETRADE LTD

SENIOR SOFTWARE ENGINEER – Invest / Trading (2019 – 2021)

- Contributed to designing and implementing Freetrade's state of the art event-sourcing Investment Platform, bringing order execution in-house, reducing order execution cost by 90%, increasing order reliability and enabling a 30x+ increase in order volume.
- Redesigned pricing pipelines from individual serverless functions to Apache Airflow based big-data workflows to support increasing stock universe from ~400 to ~4000 (and growing) financial instruments
- Contributed to integrating with a new US order provider, supporting thousands more US stocks and enabling an FX revenue stream, increasing company revenue by a factor of 40x
- Designed and implemented a bespoke data archiving solution, to stream and compress rarely used data from easy-access/high-cost Firestore into slow-access/low-cost object storage automatically.
- Designed and implemented a hybrid datastore combining data from both Firestore and GCS data, enabling processes such as financial reconciliation to use both data sources.
- Contributed to implementing new Limit Orders, as part of the release of a new subscription revenue stream, including back-end integrations and mobile app UI.
- Lead a re-design to formalise and document engineering on-call and live-issue response process, taking cues from best practices across industry leaders including PagerDuty, Amazon, Google and Netflix.
- Contributed to continual improvement of hiring and diversity practices, as a member of an internal hiring/interview working group.
- Contributed to scaling the Investment Platform from 75,000 to >900,000 users as a member of an ongoing Architecture / Scaling working group.

COGNIZANT TECHNOLOGY SOLUTIONS

FULL-STACK ENGINEER (2018 – 2019)

Embedded at Mastercard Prepaid Management Services

- Worked as one of the initial 9 members on-site at a world-leading FinTech provider, liaising with Product Owners to develop technical proofs of concepts through the shaping period, and providing feedback to business owners.
- Hands-on contributions converting monolith-based design to Cloud-Native microservice mesh architecture.
- Responsible for design, implementation and testing of Go-To-Live strategy and CI/CD pipelines, including configuring services within PCF architecture.
- Responsible for creating microservice best-practice templates for offshore teams to base work on.
- Responsible for onboarding new developers as they joined the project, working closely with product owners to ensure new hires could hit the ground running.

EVENTVODS LTD.

DIRECTOR (2018 – 2021)

FULL-STACK DEVELOPER (2013 – 2018)

- Responsible for end to end website development, from requirements gathering to launch
- Designed and implemented a highly configurable, multi-tier application architecture using Redis caching, Nginx reverse proxy and CDN services, ensuring product can handle large bursts of users at peak times
- Successfully upgraded advert monetization, increasing ad revenue 3000%
- Implemented a secure user account system, including secure one-way hashing and email confirmation as well as integrating external OAuth services such as Facebook, Twitter and Google.
- Integrated company applications with external services including AWS S3, Prerender.io, Google Analytics, AppMetrics and SendGrid
- Designed a build and deployment process including use of build tools including LESS / SASS, Gulp, SVG / image sprites etc.

EDUCATION

2014 – 2018

BSC (HONS) COMPUTER SCIENCE, PLYMOUTH UNIVERSITY

Modules: Database Application Development, Computer & Information Security, Object-Orientated Software Engineering & Design Patterns, Computational Intelligence, User-Centered Interface Design, Machine Learning

2012 – 2014

CIRENCESTER COLLEGE

BBB Mathematics, Physics & Computing

PASS AS Music Technology

2007 – 2012

CIRENCESTER DEER PARK SCHOOL

13.5 A*-C Equivalent