

Experience

Software Engineer, TrueLayer

July 2018 - present

- Powering the new era of financial innovation

Software Engineer, BAE Systems AI

June 2015 - June 2018

- Responsible for end-to-end software life cycles; design, implementation and maintenance
- Focused on Java development, supplemented with Python, Ruby, JavaScript, and C++
- Reduced developer overhead by 90% through automated provisioning
- Worked on security-critical distributed systems expected to handle 10k+ concurrent users
- Developed web-based user applications in TypeScript, React
- Created and maintained AWS deployments
- Championed effective, long-term continuous integration and test frameworks

Research Associate, Lancaster Univ.

May 2014 - March 2015

- Evaluated performance and usability of OpenCache, an SDN HTTP caching platform
- Developed a network load balancer in Python leveraging OpenCache's API
- Contributed to research evaluating OpenCache's performance as a failover load balancer during HTTP adaptive streaming (MPEG-DASH)

Education

Lancaster University

October 2011 - June 2014

Computer Science, BSc - 1st class honours

Skills

Comfortable with TypeScript, Go, Java, Python, Shell, and Lua. Familiar with Ruby, C#, and Rust.

Strong Linux/macOS background. Versed with a variety of DevOps and automated provisioning tools including Docker, Kubernetes, and Ansible. Fluent in git.

Experience with web development. An engineer with an affinity for design and user experience.

Points of Interest

sInterface

<https://ui.baidon.co>

A user interface for World of Warcraft

OpenCache: A software-defined content caching platform

<http://ieeexplore.ieee.org/document/7116129/>

A paper discussing novel contributions to running a CDN on commodity hardware

Contact and Profiles

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