

Benjamin Robson

Software Engineer

Location: Helsinki, Finland

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Github: github.com/benjaminhr

Website: benjaminhr.com

Skills

Technologies: Javascript, Python, React, Typescript, Go, Java, SQL and NoSQL databases, Docker, GCP/AWS, unix, bash, version control.

Areas of interest: Infrastructure at scale, product development, algorithms, optimisation, the web (all layers), developer tooling, performance.

Experience

Instagram / Software Engineer

October 2021 - April 2023, London UK

- Built, shipped, and scaled products to billions of users, increasing company top line metrics, revenue, and impressions. Worked alongside mobile engineers, designers, legal, product marketing, data science, product managers, and multiple partner teams.
- Subscriptions for Creators
- NFT Minting and Payments
- Gifting on Reels and Lives
- Multi-factor authentication services
- Instagram Web
- Exclusive broadcast chats (collaboration with Nike)
- Built internal tooling used everyday by hundreds of engineers across the org

Meta / Software Engineer Intern

June 2020 - September 2020, London UK

- WhatsApp and Javascript Infra teams
- Building github.com/facebook/metro (react native JS bundler)
- Improved daily productivity of engineers on the team by 2x, by improving cold/warm starts of their JS tooling

Microsoft Research Labs / Researcher Intern

June 2019 - September 2019, Cambridge UK

- AI and Research group
- Internal Hackathon Winner
- Building (under NDA) feature which extends search in Office products

Supervisor Cloud / Software Developer

JUNE 2018 - JULY 2018, HELSINKI

- Created prototypes for a web app which allowed for the intuitive and easy creation of E2E and load tests at scale

Finnish Defence Forces / Special Forces

JANUARY 2018 - JUNE 2018, HELSINKI

ResQ Club / Software Developer (Part-Time)

JULY 2017 - DECEMBER 2017, HELSINKI

- Maintaining the resq.club website
- Advertising campaigns (i.e. introducing Apple Pay to Finland), and A/B testing

AppGyver / Software Developer

JULY 2017 - DECEMBER 2017, HELSINKI

- Created E2E testing infrastructure for customer applications and the app development platform
- Created customer applications and custom components.
- Created integrations to our testing infrastructure such as monitoring screens, IoT for alerts and chat notifications.

Education

Aalto University / MSc Computer Science

SEPTEMBER 2023, HELSINKI

- Algorithms and theoretical computer science

Queen Mary, University Of London / BSc Computer Science

SEPTEMBER 2018-2021, LONDON

- Linear Algebra, Probability & Statistics, Operating Systems, Artificial Intelligence, Data Mining, Compilers, Embedded Systems
- Dissertation: "Learning π -calculus processes with Register Automata and Tomte"
- First Class Honours

International School of Helsinki / International Baccalaureate Diploma

HELSINKI

- Higher Levels: Economics, History, and English
- Standard Levels: Mathematics (Calculus), French, and Chemistry
- Papers on: Six degrees of separation (Search algorithms in Python), The impact of public transport on the aggregate demand in Helsinki, and Efficient voltaic cell development