Matthew Brookes

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About Me

I am a Backend Engineer experienced with leading projects in cross-functional teams composed of analysts, designers and compliance leads. I have taken on a strategic role and regularly write papers for senior leadership and the board. I am looking for an opportunity to deliver high impact within a team and progress in my career towards becoming a Senior Engineer.

Work Experience

- **Monzo Bank**   London
  Backend Engineer   *September 2019 - (ongoing)*
    - Member of platform team building micro-services in Go to automate the underwriting of lending products
    - I led the project to collect financial profile data from customers during signup and use it in credit underwriting
    - I delivered value to customers and reduced Monzo's exposure to credit-risk by leading the integration of credit bureau reporting
    - I built asynchronous services for credit checking customers using Kafka and NSQ
    - I reduced manual operation time by two hours a week by building tooling to automate the removal of credit footprints left due to fraudulent lending
    - I authored lending strategy change documents for the board and compliance leads

- **Skyscanner**   Barcelona/London
  Intern, Software Engineer   *July 2017 - September 2018*
    - Member of team building micro-services in Java for auto-suggest and smart search
    - I built tooling for performing online as well as retrospective analysis of the Garbage Collector
    - I built load testing infrastructure to eliminate memory spikes and reduce container provisions for a critical service
    - I onboarded new interns into the team
    - I implemented large parts of the Search Controls component using React JS
    - I built a CI plugin to notify consumers of the Search Controls component about new versions

Education

- **Imperial College London/ETH Zürich**
  First Class Honours MEng Computing (Dean's List)   *October 2015 - August 2019*
    - Three years spent at Imperial College London and my final year spent at ETH Zürich
    - I authored the paper FASTER State Management for Timely Dataflow that was accepted for the BIRTE Workshop at VLDB 2019
    - I presented a talk on state management at Flink Forward 2019
    - Included in Dean's List for finishing in the top 10% of students

Skills and Interests

Languages: Java, Python, Go, Node JS, React JS, Rust, C

Foreign Languages: English (First language), German (Limited Working Proficiency), Spanish (Limited Working Proficiency), French (Intermediate)

Computing: Stream Processing, Cassandra, CI/CD, AWS Cloud Computing, Docker, DevOps