

# REMI BAHAR

remibahar@hotmail.com

Slough

remibahar.github.io

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## PROFILE

A computer science postgraduate, physics graduate, and software engineer at Lloyd's with over 2 years' experience developing commercial web-applications in Spring-Boot. Looking for a role as a back-end software engineer.

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## SKILLS

**Back-End:** Spring-Boot, SQL (SQL Server, JDBC), REST, Security (RBAC), Message Queues (Kafka, IBM MQ).

**CI/CD:** Linux, Testing (TDD, Automated), Jenkins, UCD, Cloud (GCP, OCP), Docker, Monitoring (Splunk).

**General:** Tools (Git, Jira), Front-End (React, HTML, CSS), Mathematics, Data Science (Python).

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## EDUCATION

**Queen Mary University of London | First MSc Computer Science | September 2021 – September 2022**

- Functional Programming (Concurrency and Parallelism), NoSQL, Machine Learning, Distributed Systems, Computer Architecture and Networks, Security and Authentication, Bayesian Statistics, Cloud Computing, Dissertation project with a German company.

**University of Birmingham | 2:1 BSc Physics | 2018 – 2021**

- Significantly developed problem-solving skills solving a variety of often unfamiliar problems from first principles and cultivating a strong Mathematical background.

**Langley Grammar School | A\*AA A-Levels | 2015 – 2017**

**Long Close School | 6 A\*'s, 3 A's, 1 B GCSE's | 2010 – 2015**

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## EXPERIENCE

**Software Engineering Graduate | Lloyds Banking Group | September 2022 – Present**

- Developed a highly scalable enterprise web-application using Spring-Boot and React, capable of returning over 10,000 rows in under 1s. Worked alongside another developer to integrate it into an existing codebase.
- Developed a fault-tolerant pipeline microservice to consume 1000's of messages from an IBM MQ and persist them in a database.

**Test Engineer | ComXo Ltd | March 2022 – September 2022**

- Worked with IT to test the Android/iOS app, write a custom documentation website, and introduce automated testing.

**Web Designer | Comfort Care Services | July 2019 – September 2019**

- Worked with management to design Audit mobile application and communicate requirements with outsourced developers.

**Web Developer | Comfort Care Services | 2017 – 2018**

- Gained experience in full-stack web-development leading projects through the software development lifecycle.
  - Improved **inter-personal skills** through presenting work in meetings, training staff on how to use the application, and collaborating with other developers.
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## PROJECTS

**Dissertation | Microservice Healthcare management system | cmd Consulting GmbH, Queen Mary University of London | 2022**

- Implemented a gateway handling authentication, JWTs, redirects, IAM and patient service implementing authorization.
- Capable of handling 1000+ simultaneous users and returning 2000 patient entities in 300 ms. Used Spring-Boot.

**Academic Project | Distributed processing of matrix calculations | Queen Mary University of London | 2022**

- Increased performance by over 300% using 8 gRPC google cloud servers and 1 client. Used NodeJS and Express.

**Group Project | Using reinforcement learning to optimise swing pumping | University of Birmingham | 2021**

- Worked in a team of 14. My role was to develop a physiologically accurate model of a human that could perform standing and squatting movements. Organised the team's work using GitHub and devising a high-level plan.

**Industrial Project | Audit System | Comfort Care Services | 2018**

- Developed a web-application to schedule and conduct audits with CRUD functionality and following complex business logic.
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## ACTIVITIES AND INTERESTS

**Volunteering with IVHQ in Nepal | June 2018**

- Taught English to Primary School students for a month in a government school in Pokhara, Nepal.

**Silver Duke of Edinburgh Award | 2015 – 2017**

- Involved learning first-aid, kickboxing, volunteering at Age Concern Slough, and a team-expedition to the Peak District.

**National Citizenship Service Challenge | July 2016**

- Pitched in a team to local businesses to hold a fun day for children with autism. Donated proceeds to Slough crossroads.