

## Hoffmann Muki

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### WORK EXPERIENCE

#### **BlackRock** - Software Engineering Analyst

*London, UK | August 2022 - Present*

- Completed four six-month team rotations across Aladdin Engineering: Trading, Client Experience Platform, Wealth Management and Portfolio Management
- Currently building low-latency frameworks for Portfolio Management microservices

#### **Highlights**

- Conceptualised and developed bulk uploads for Trading Commissions from Excel Sheets/CSV documents using Angular, Spring and Hibernate
- Built multi-threaded extract-transform-load (ETL) application for migrating client data from in-house NoSQL databases to cloud storage using Kafka, Spring Boot and Microsoft Azure
- Timely delivered mobile-first web and pdf client reporting software on a 12-week deadline. Used Angular, Highcharts, and Simba (in-house pdf library)
- Implemented distributed event tracing for portfolio rebalances and optimizations on a 9-week deadline using Angular, gRPC, Kafka and Azure Blob storage
- Maintained >80% code coverage for unit and integration tests
- Documented major software changes in application code and wikis
- Took ownership of quarterly software releases to production environments
- Carried out application support in accordance with team support rota
- Mentored 3 interns and 2 junior analysts to ease their transition from university to the professional world
- Delivered technical talks on programming language design, functional programming, bytecode virtual machines, distributed systems and transformers
- Clinched second place in the inaugural Bankside Corporate Games Tournament. Participated in 2 community clean ups with work colleagues for the Bankside Open Spaces Trust charity

#### **BlackRock** - Software Engineering Intern

*London, UK | June 2021 - August 2021*

#### **Project:** *Structured Products Control-Flow History Manager*

- Built a full-fledged application for resolving logs of intra-day structured products
- Proposed and implemented key-value stores for centralised application configurations

#### **PremierDev** - Co-founder

*Yaounde, Cameroon | June 2020 - Present*

- *PremierDev* is a social enterprise that promotes technology entrepreneurship in Cameroon. This is done through yearly hackathons, summer bootcamps and monthly community meet-ups
- PremierDev has partnerships with Google Developer Student Clubs and has disbursed over £10,000 of startup funding to viable university startups in Cameroon

## **EDUCATION**

### **The University of Edinburgh**

*Edinburgh, UK | September 2018 - July 2022*

- BEng Software Engineering
- Degree Classification: *First Class*

### **Activities and Societies**

- Active member of the Computer Society and Hyperloop Edinburgh
- Elected to serve as the Software Engineering Programme Representative from 2019 to 2022

## **SKILLS & INTERESTS**

- **Software Skills:** Full-stack, Systems, DevOps
- **Programming Languages:** Java, JavaScript, Python, Golang, C++
- **Certifications:** Aladdin Java Certificate, Microsoft Azure Cloud Fundamentals
- **News:** *The Economist*, *MIT Technology Review*, *ByteByteGo*, *Hacker NewsLetter*
- **Select readings:** *Principles* (Ray Dalio), *Grit* (Angela Duckworth), *The Infinite Game* (Simon Sinek), *Designing Data-Intensive Applications* (Martin Kleppmann), *Crafting Interpreters* (Bob Nystrom)
- **Sports:** Football, Table Tennis

## **AWARDS**

- Class Prize for Top Performance in Software Engineering (2022)
- Best Mastercard Foundation Scholar in Academics (2020)
- Edinburgh Award in Transformative Leadership (2019)
- Mastercard Foundation Undergraduate Scholarship (2018)

## **GRANTS**

- Edinburgh University Student Experience Grant (2018)
- Mastercard Foundation Entrepreneurship Fund (2020)
- Edinburgh Innovations Startup Grant (2021)
- Edinburgh Global Student Exchange Programme (2020)
- Resolution Fellowship Finalist (2021)