



Kossai Sbai

Machine Learning Engineer

Details

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Links

[Linkedin](#)

[Github](#)

Skills

SQL



Python



Next.js



Kotlin



Typescript



Languages

French



Spanish



English



Profile

Dynamic and results-driven Software Engineer with a proven track record across diverse industries. Skilled in a wide range of tech stacks including Kotlin, React, Node.js, Ruby on Rails. Passionate about leveraging AI to drive business impact and crafting incredible user experience.

Employment History

Full Stack Software Engineer, Torstone

Oct 2022 — Present London

- Led maintenance and improvement of the Torstone Risk application, a risk analytics automation and regulatory compliance product.
 - Divided time to market of new features by 2
 - Developed tests to formally validate our financial risk models contributing to a £5M deal closure.
 - Oversighted the onboarding process for one of our main customers
- Developed an LLM app to facilitate question-answering over company data, reducing information retrieval time by 7 hours per employee per month.
- Currently leading in collaboration with the Head of Product, the unification of multiple products into a single platform to optimize user experience.
- Actively involved in the ongoing initiative to integrate AI and ML technologies for enhancing customer experience and automating back/middle office processes.
- **Technical Proficiency: Kotlin, React, Node.js, Python, Typescript**

Full Stack Software Engineer, DataCamp

Sep 2021 — Sep 2022 London

- Led and implemented high-impact promotional campaigns that generated over \$1M in cash and 10M subscriptions while optimizing customer experience.
- Designed and maintained all logged-out landing pages, attracting an average of 35k organic traffic on weekdays.
- Led an initiative to implement a new business model aimed at increasing subscriptions and consequently annual recurring revenue through credit card trial
- **Tech stack: Ruby On Rails, React, NextJs, Vue.js, TypeScript, Node.js, Python.**

Software Engineer in Test Internship, R3

Jun 2020 — Sep 2020 London

- Worked as part of the QA automation team to extend their existing system.
- Built a Kotlin plugin to enable the reporting of automated tests/tests results upon execution of tests
- Built a Kotlin client automating the exporting of manual tests into an Excel format for dissemination purposes to other companies like such as IBM.

- Obtained the Corda developer certification attesting a thorough understanding of the architecture of Corda.
- **Tech stack: Kotlin, Corda.**

Software Engineering Internship, IBM

Jun 2019 – Sep 2019 📍 Hursley

- Built a bin assistant, using Machine Learning, AI, and Computer Vision in order to make the process of recycling people's trash as frictionless as possible.
- Was in charge of the mobile app part of the product
- Both press and TV coverage for our product (BBC South Today, NS Packaging, Daily Echo, BusinessGreen).
- Obtained the award of the best technical project among 12 intern teams across Europe.
- **Tech Stack: Flutter, Python, HTML, CSS, Javascript, Bootstrap, Node.js.**

Education

Imperial College London, Advanced Computing MSc

Sep 2020 – Sep 2021 📍 London

- Masters of Advanced Computing
- Modules: Machine Learning, Reinforcement Learning, Distributed Algorithms, NLP, Deep Learning,
- Worked with Elliptic to analyze Ethereum transactions for my dissertation, uncovering patterns that helped prevent around £37 billion in potential fraud in 2021.
- Second class with 63.7% overall.
- **Programming languages taught/used: Elixir, Python, JavaScript.**

Kings College London, Computer Science BSc

Sep 2017 – Sep 2020 📍 London

- First class Honours with 80% overall
- Modules: Programming (Java, C++, Scala), Maths, Logic, Cryptography, Operating Systems, Programming Paradigms
- **Programming languages/ Frameworks taught/used: Java, Scala, C++, Python, JavaScript, Laravel, PHP, D3.js, HTML, CSS, Bootstrap**