

JAAFAR RAMMAL



Github [JaafarRammal](#)

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Website [jaafarrammal.com](#)

WORK EXPERIENCE



Forward Deployed Engineer - Palantir Technologies - London

Jan 2023 – Present

- Leading the in-house development of our no-code AI Dev and building oil & gas modeling toolchains.
- (Prior) Co-leading the development of Machinery, our process mining application in Foundry ([website](#)).
- (Prior) Co-leading the sustainability projects for oil & gas to enable forecasting, surveillance, and reporting.

Full Stack & Sales Engineer - Terra Enabling Developers (YC 21) - London

Nov 2022 – Jan 2023

Early hire (5th engineer). Led frontend stacks as well as migrating legacy frontends from python to react, streamlining the team's dev productivity. Built external API packages ([Javascript example](#)) and tutorials to simplify API usage and increase retention. Owned legal / compliance admin and sales ops when needed.

Forward Deployed Engineer (Intern) - Palantir Technologies - London

May 2021 – Oct 2021

Developed Life Sciences R&D workflows. Built a data integration pipeline for Life Sciences R&D to enable collaborative harmonisation and end-usage for preclinical trial data, to ultimately enhance clinical trials. Presented the final workflows at an internal scientific conference.

Software / Hardware Engineer (Intern) - ARM - Remote

Aug 2020 – Oct 2020

Enhanced existing UVM Verilog generators with hierarchical register blocks generator, consequently improving verification workflows. Designed, built, and deployed from scratch an internal web app to help engineers generate automatically hardware configurations pre-verification.

Software Engineer (Intern) - Schlumberger - Norway

Jun 2019 - Sep 2019

Designed, built, and deployed to production an Angular web app that offers end-users secure and offline access to DrillPlan reports, enabling smooth review of specific petroleum activity.

Part-time jobs - Imperial College

Oct 2019 - Mar 2021

- Events coordinator for the Robotics society. Organised hackathon, talks, ice skating, Christmas dinner.
 - Teaching Assistant for the "Algorithms and Data Structures" and "Compilers" modules
 - Software developer on the "Imperial Virtual World" initiative. Built a scalable virtual world for remote teaching using Java and NodeJS. Owned 3D audio algorithm, linking lectures, interactive quizzes.
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Software Engineer (Intern) - High School Internships

- *NEEDS, Mobile App Developer (Summer 2018)*. Extended an ed-tech application frontend with features for parents to access children grades, calendar, and agenda.
- *Dynamesh SAL, Java Developer (Autumn 2016)*. Built a Java database system to manage student profiles.

Startup Adventures

- *[Deltacrypt](#) (2022-2023)*. Advising technical implementations to build a digital payment solution in Africa.
- *[CloseRangeTechnologies.Ltd](#) (2020-2021)*
 - Built a P2P contact tracing app (Coronaware)
 - Built an Electronic Health Record platform for surgical department handovers ([Relaydr](#))

EDUCATION



Imperial College London

Sep 2018 – Jun 2022

- MEng Computer Engineering. Graduated with a First-Class Honours
- 1st and 2nd year Dean's List for Academic Excellence (class top 10%).
- Final year project on safe movement for the blind using localised haptic stimulation. Presented at conference
- Relevant Modules: Compilers, Computer Arch, Databases, Networks & Distributed Sys, OOP, HLP, Stats, Robotics, Signal Processing, FPGAs & Hardware Design

Grand Lycée Franco-Libanais

Sep 2015 - Jun 2018

French Baccalaureate (Scientific). Top 5% on school with 18.35/20. IB in History & Geography and Arabic.

COMPETITIONS | EVENTS | AWARDS



Accepted Work-In-Progress short paper - Eurohaptics

22-25 May 2022

Submitted (and accepted) a Work-In-Progress short paper about my final year project to 13th International Conference on Human Haptic Sensing and Touch Enabled Computer Applications, EuroHaptics 2022 Hamburg, Germany. Presented the work at the poster sessions virtually ([link](#)).

BGN UK Hackathon - Google - 2nd Place

5-8 Mar 2021

Built an AR marketplace with React, Firebase, and Typescript, where shoppers can view any product in AR after sellers scan and upload their products. The platform is centred around promoting small businesses.

ICHack Thought Machine - 2nd Place

8-9 Feb 2020

Built ShopWise, your iOS interactive personal shopping assistant that offers healthier, cheaper, and greener alternatives, with a supply chain history using a Kaleido distributed ledger for transparency of the supply chain.

Hack Cambridge - 1st Place for Reply Green and MLH mongoDB**18-19 Jan 2019**

Built an IoT network connecting trash can sensors and street cameras to sense in real-time the vacuity of public bins and locate trash on the streets using computer vision. The data is displayed on a map and empowers an iOS "trash collection game", Pokémon-Go style, that rewards people for cleaning.

HackZurich19 - Health Product Award**27 - 29 Sep 2019**

Built with Swift & Python an iOS app connecting geolocation data, Google trends, fitness and health trackers, to predict potential disease risk, explain the factors, and offer prevention advice in desired areas.

Centrale Supélec Conference Speaker for Wolfram Alpha**6 - 7 Jun 2019**

Presented how Mathematica as a tool for Data Protection and Machine Learning for financial predictions

Hack4Good - Hacker of The Day - Microsoft**16 Feb 2019**

Built BloodMatters using, a platform allowing hospital users to manage blood stocks between locations and avoid dangerous shortages. In an emergency, one can automatically reach out via text to matchings donors living nearby, maximising chances to save a life.

BGN UK Hackathon - Google - 1st Place**26 Jan 2019**

Built a mobile app to learn African languages, using swift and firebase. It includes classical language games and an interactive chatbot to simulate realistic scenarios for language practice (e.g. restaurant conversation)

Robotics Team Co-Founder - [FIRST Competitions](#)**2014 - 2018 (4 competition seasons)**

- Founded with my brother and two friends the first self-funded robotics team in Lebanon, working at home with our own resources, and financing our seasons through assembling, and selling 3D printers locally.
- Earned 7 national awards (including 2nd and 1st national place for two seasons).
- Represented Lebanon internationally in the United States for two FIRST Tech Challenge seasons.
- Duties included project management, advanced Java programming, mechanical models designing and assembling, and CAD modelling (Fusion 360). Implemented a Java Mobile App for wireless joystick-control of the robot with two mobile phones, mapping hardware devices, failure prevention, and assisted driving with gyro, speed analysis image recognition.

"Concours Général" - 1st place nationally - 5th place internationally**Summer 2018**

Placed 1st nationally and 5th internationally for the Arab concours out of 15000 total participants ([link](#)).

RELEVANT SKILLS

- Proficient in C++, Java, Swift, React, TS/JS. Comfortable with Angular, Python, Verilog, Assembly.
 - Black Belt Kyokushin Karate fighter. Competed internationally. Represented Great Britain and Lebanon.
 - Classical guitar player with five personal compositions.
 - Proficient in French, Arabic, and English. Learning Spanish.
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