Isaac M. Jordan – Software Engineer

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Summary

Professional software engineer with 8 years experience in large and small enterprise environments building innovative products aiming to be market leaders. Experienced in a variety of languages and technology stacks, most recently with C#, TypeScript, React, and Angular. Previous experience with Java, Kotlin, and AWS.

Work Experience

- **G-Research - Europe's leading quantitative finance firm** — London, UK
  Software Engineer [TypeScript, React, Angular, C#, K8s, Kafka, SQL] — Oct 2021 - July 2024
  - Created and iterated upon new tools for live monitoring of global trading, for example rejected trade analysis which provided mission-critical safety tools with great customer feedback.
  - Designed and implemented a new process and DSL for mass managing connection config with multi-person approval and an audit trail, allowing for teams to comfortably manage a 10x scale-up of connection types, unlocking new ways of trading.
  - Refined my team's development processes, e.g. moving towards a more flexible kanban model, reducing code review turnaround time, and running regular retrospectives, all with increased team satisfaction.

- **AWS (Amazon CodeGuru Profiler)** — London, UK
  Software Development Engineer II [TypeScript, React, Kotlin, AWS] — Sep 2019 - Oct 2021
  - Developed a new product with a global team, such as simplified profiling visualisations, onboarding workflows, and new APIs to correlate data across AWS services. Wrote the first public blog post.
  - Took on an informal engineering team lead role, mentoring other engineers through projects and regularly improved and simplified development and operational processes. E.g. introduced Kanban and simpler prioritisation discussions, follow-the-sun on-call rotas, safer launch processes, weekly dashboard reviews, and reusable infrastructure libraries (removing over 10k lines of code).
  - Took ownership over the console (front-end) infrastructure and codebase, ensuring a high quality bar as new engineers took on front-end work and the service extended to 5 new AWS regions. Personally improved page performance by 50% and reduced bundle size by 20%.

- **Amazon** — Edinburgh, UK
  Software Development Engineer II / I / Intern [Java, TypeScript, React, AWS] — Sep 2017 - Sep 2019
  - Integrated my team's video rendering API with a public Amazon Advertising product. Utilised AWS Lambda/DynamoDB/S3 for a new micro-service mediator with automated alarming, along with new TypeScript/React components.
  - Launched a new programmatic video advertising program and increased ad performance by 10x in 6 months through rigorous A/B experimentation, exceeding our team goal of $500k sales.
  - Improved my team's development and release processes over time, e.g. introduced SonarQube for month-on-month code quality improvements, and new tools to track the team's operational load.
  - Internship: Created a patent-awarded prototype application to convert existing video content into personalisable videos in a fast (real-time) and automated fashion, using a Java/OpenCV pipeline.

- **TBR Global Chauffeuring** — Glasgow, UK
  Software Developer (Intern, then Part-Time) [C#, MVC.NET, JavaScript] — Jun 2015 - May 2016
  - Cut manual ingestion time by 95% by preprocessing data using OpenAddressesUK and Google APIs.

- **Chi Squared Innovations** — Remote
  Software Developer (Part-Time) [Python, Django, JavaScript, d3.js] — Sep 2014 - Jun 2015

Education

- **University of Glasgow** — Glasgow, UK
  BSc (Hons) in Computer Science (First Class) — 2013 - 2017
  - Received top-of-class prize in Year 3, and first prize at Glasgow University Hackathon 2015.