

# Alex Tipping

www.alex-tipping.com | hello@alex-tipping.com | +44 7447 623750

---

*I am a software developer from London who has experience building Full-Stack applications and the founding/launch of small start-ups. I am currently working as a backend developer for a fintech scale-up in London where I specialise in mostly back-end development utilising technologies such as Typescript, Node, React, AWS, Redis, SQS, SNS, MongoDB, Terraform & functions as Lambdas. I hold a BSc in Finance from Henley Business School and an MSc in Computer Science from St Andrews, both of which I received the highest possible grade.*

## PROFESSIONAL EXPERIENCE

---

### Waggel

Full-Stack & Now Backend Developer

London, UK

April 2021–Present

- Implemented multiple back-end optimisations including caching, idempotency and more that lead to site-wide speed improvements and improved data handling.
- Created a new programmatic method of spinning up feature specific development environments.
- Created a new programmatic CI/CD pipeline with CircleCI & Github Actions that sped up delivery and improved testing efficiency.
- Migrated entire microservices from SQL to MongoDB including writing data-migration scripts.

### Sortof.app

Founder & Full-Stack Developer

London, UK

July 2022 - Present

- Wrote all code. Fully serverless monolith.

### PremaVideo

Full-Stack Developer

London, UK

Sept 2020–April

- Built a complete web app that allowed users no matter their skill level to edit videos within their web browser. Subsequently paused the development of the app due to financial limitations.
- Single handedly created the API, UI components, website graphics, stripe integration with subscription management, affiliate platform, password recovery systems, custom video-editing functionality such as the ability to crop, trim, merge, create gifs, adjust audio and many other video-specific features. A demo of the software can be seen here - <https://www.youtube.com/watch?v=nJbJBJD2Ttc>

## EDUCATION

---

### University of St Andrews

MSc in Computer Science (computation & information technology) - 1st class honours - 87%

St Andrews, UK

Aug 2020

- Deans List Award for academic excellence - 95th percentile.
- Achieved 90% on final thesis - A full-stack application to monitor the development of displaced children.

Reading, UK

May 2019

### Henley Business School: University of Reading

BSc in Finance (finance & investment banking) - 1st class honours - 71%

## ADDITIONAL SKILLS

---

**Computer Languages:** Javascript, Typescript, HTML/CSS, Shell/Bash, SQL

**Frameworks & Libraries:** React, Next.js Node, D3, Serverless, Terraform

**Tools:** Git, Github, Github Actions, CircleCi, AWS, Terraform, MongoDB, Redis, Docker