

Matthew Samuel

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OBJECTIVE:

Motivated software developer seeking a role where I can apply and expand my current skill set and work with talented, likeminded people while contributing to a company's growth in a meaningful way.

TECHNICAL SKILLS:

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| <ul style="list-style-type: none">• Languages:<ul style="list-style-type: none">• Java• Python• C++• JavaScript• Swift• HTML/CSS | <ul style="list-style-type: none">• Tools/Other:<ul style="list-style-type: none">• Linux• Git• Amazon Web Services• Google App Engine• Docker• Travis CI | <ul style="list-style-type: none">• Libraries:<ul style="list-style-type: none">• React• Spring• Flask• Web3.js |
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EDUCATION:

Bachelor of Computer Science

RMIT University, Melbourne, VIC

2020

PROJECTS:

ADBLOCKCHAIN

[Source Code](#), [Demo](#)

- Developed an alternative revenue model for websites/blogs - a browser extension that sends fractions of cryptocurrency to each site the user visits while blocking advertisements in exchange.
- Implemented a completely distributed architecture using the Ethereum blockchain for transactions and IPFS as a distributed database.
- Created as a proof of concept for a conference paper coauthored by a professor at RMIT University.

BONFIRE

[Source Code](#), [Demo](#)

- Developed an iOS app to manage Cloudflare accounts, allowing the user to view analytics, create DNS records and firewall rules.
- Implemented entirely in Swift, making use of both Cloudflare's REST and GraphQL APIs.

SPIKE

[Source Code](#), [Demo](#)

- A reddit-like service where students can create an account and discuss specific university courses in threads or via a live chat.
- Implemented using Spring as a Java backend and React as a Javascript frontend with a complete CI/CD pipeline using Travis CI, Docker, Kubernetes and the Google App Engine.
- Worked on using an agile methodology.

RELEVANT COURSEWORK:

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| <ul style="list-style-type: none">• Software Engineering - Process and Tools (<i>SCRUM, CI/CD</i>)• Cloud Computing (<i>AWS, Google Cloud</i>)• UNIX System Administration & Programming | <ul style="list-style-type: none">• Database Concepts (SQL)• iPhone Software Engineering (Swift)• Artificial Intelligence |
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