



## Andrew Antoun

SOFTWARE ENGINEERING  
MANAGER

### Skills

- Languages: Go, Python, JS/TS, Java, C#
- Frameworks/Tools: React, Node.js, Spring, MongoDB, PostgreSQL, OAuth, SAML, SSO
- Cloud/Infra: AWS, Docker, Azure, GCP, Terraform.
- Other: Business analysis, Agile, finance knowledge

### Stuff I'm Proud Of

- Acquired a patent in AI (CA 3065446) when I was in college.
- Led a full idp migration of over 100k users without any downtime on prod.
- Developed blockchain tooling for game devs, used by millions.
- Can solve a rubiks cube in 30 seconds! (I know this is irrelevant but I think it's pretty cool)

### Contact

- ✉ andrewaboutoun@live.ca
- ☎ +1 (514) 464-0272
- 🏠 Montreal. Quebec, Canada

## Education History

### COLLÈGE MONTMORENCY

- Associate's Degree in Software Development, 2018
- Certified Ethical Hacker license (EC-Council)
- Penetration Testing Hackathon Finalist 2017

## Work Experience

### SOFTWARE ENGINEERING MANAGER

*Collective[i] | 2024 - present*

- Led a team of 6 engineers in developing and maintaining REST API endpoints within a GoLang-based microservices architecture, ensuring performance and scalability.
- Delivered a WebSocket-based chatbot and revamped the homepage using React, Remix, and Angular, enhancing user experience and engagement.
- Led a full IDP migration (Okta → Auth0) for 100k+ users with zero downtime, login speed improved by 65%

### SOFTWARE ENGINEER

*Unity Technologies | 2022- 2024*

- Developed and maintained web-based applications using GoLang, JavaScript, and TypeScript, while utilizing industry-standard tools such as Git, JIRA, and Visual Studio Code
- Designed and implemented RESTful API and microservices architecture, resulting in improved scalability and performance for the company's products
- Led the creation of a blockchain proxy, which enhanced security and reliability for the company's clients by providing secure access to blockchain nodes
- Provided technical consulting services for web3 customers like Google and The Sandbox, advising on best practices for software development, deployment and blockchain integration.
- Led our technical software architecture, which helped the company to optimize their development process, by providing a clear and maintainable codebase.

## PERSONAL BANKER / IT-FOCUSED

### ***Bank of Montreal | 2021- 2022***

- Advised customers on a wide range of financial products and services, including savings, credit, and investment options
- Collaborated with IT team to identify and document user stories, resulting in the development of new features and improvements to the bank's IT system
- Created and delivered training sessions for other personal bankers to educate them on the new system's features and functionalities
- Analyzed and identified areas of improvement in the bank's IT system and made recommendations to management.
- Provided technical support and troubleshoot IT-related issues for customers, resulting in improved customer experience

## SOFTWARE DEVELOPER

### ***Ultra Electronics TCS | 2018-2021***

- Developed and implemented software solutions using Java, Python, NodeJS and AWS technologies, resulting in improved efficiency and performance.
- Stored, retrieved, and manipulated data using databases such as MySQL and MongoDB, ensuring data integrity and security
- Worked on the development of web applications, utilizing industry-standard frameworks such as Spring, ExpressJS and NodeJS
- Performed penetration testing on internal web applications, identifying and addressing security vulnerabilities by using tools such as Burp Suite, OWASP ZAP, and Nessus. Implemented security controls and countermeasures to prevent potential attacks.
- Assisted in the deployment and maintenance of software applications on cloud platforms such as AWS and Azure.
- Assisted in the development of security protocols and guidelines to be used by the development team, resulting in a more secure development environment.

## CO FOUNDER/ DEVELOPER

### ***Krystal Technologies | 2017-2019***

- Developed a Lip Reading engine for noisy environments, which improved the accuracy of speech recognition in challenging environments.
- Collected government grants and raised pre-seed capital to fund the research and development of the Lip Reading engine.
- Led a team of engineers and researchers in the design, development, and testing of the Lip Reading engine.
- Approved for a patent (CA 3065446) for the Lip Reading engine, which protected the company's intellectual property and provided a competitive advantage in the market.
- Contributed to the development of business strategies and plans, which helped the company to secure funding and grow.