ANTONY GARAND

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PROFESSIONAL SUMMARY

Highly accomplished Full Stack Software Engineer with **10 years of extensive experience** in designing, developing, and deploying robust web applications with a specialized focus on security. Proven ability to drive innovation, optimize system performance, and safeguard digital assets, leading projects from conception to delivery in fast-paced, high-growth environments across diverse industries.

EXPERIENCE

Amazon
Software Engineer

Oct 2022 - Present
Remote

· Leading efforts to create new customer support experiences by leveraging AI models to improve contact handling efficiency, aiming for ambitious increase of self-service resolution goals by 40%.
· Engineered and deployed highly scalable and secure backend services in Java on AWS, supporting the Customer Support engineering team with platforms handling **millions of daily requests** across the globe.
· Developed and maintained accessible, internationalized front-end applications in React with TypeScript, utilized by thousands of Customer Service associates worldwide.
· Designed and implemented GraphQL APIs to facilitate efficient data communication between distributed services and client applications.
· Optimized build systems to **reduce application build duration by 90%**, saving thousands of machine-hours and hundreds of developer-hours yearly.

Side Project - Flipping Utilities
Founder

Mar 2021 - Present
Remote

· Architected and developed a comprehensive suite of freemium tools for the OldSchool Runescape market, serving an active community of **over 100,000 users**.
· Leveraged TypeScript, NestJS, and Next.js to build a robust platform with GraphQL APIs and PostgreSQL, ensuring high performance and scalability.
· Scaled a database to over a billion of entries for historical price points and created tools to visualize the game market.
· Managed community engagement and product roadmap, driving substantial user adoption and maintaining a highly active user base.

GoDaddy
Security Researcher

Apr 2019 - Oct 2022
Remote

· Enhanced the effectiveness of our Web Application Firewall (WAF) to protect clients against prevalent vulnerabilities within various online ecosystems.
· Proactively discovered new vulnerabilities across popular third-party plugins, managing the full vulnerability disclosure process and publishing detailed findings in blog articles.
· Developed **two innovative internal tools**: one which improved vulnerability processing efficiency by **40%**, and another that enhanced malware analysis efficiency by **70%**.

BioRender   Aug 2018 - Apr 2019
Software Engineer   *Remote*

· Played a pivotal role as one of the first engineering hires, contributing across the full software development lifecycle from CI/CD pipeline management to feature development.
· Enhanced user creativity by providing new features to visualize diagrams within the platform and implemented real-time collaboration for direct document co-editing, supporting significant double-digit user growth during company expansion.

CGI   Jan 2017 - Aug 2018
Full-stack Developer   *Sherbrooke, Quebec*

· Developed and maintained full-stack enterprise applications for **government agencies and large corporate clients**, ensuring robust performance and adherence to strict client requirements.
· Collaborated with cross-functional teams to deliver comprehensive software solutions, utilizing Java, TypeScript, Angular, and Redis.
· Contributed to architectural design and implementation, optimizing system resiliency and maintainability for client applications.

Sucuri Inc.   Jan 2015 - Dec 2016
Vulnerability Researcher   *Remote*

· Conducted extensive research into web application vulnerabilities, specifically focusing on Cross-Site Scripting (XSS), SQL Injection (SQLi), and Remote Code Execution (RCE).
· Proactively identified and reported critical software vulnerabilities, contributing to the enhancement of security posture for client web applications and services.
· Documented discovered vulnerabilities and collaborated on advisories, contributing to internal and external knowledge sharing on web security threats.

TECHNICAL STRENGTHS

Technical	System Architecture, Javascript / TypeScript, Java, PHP
Leadership	Scrum Master, Team Lead, Mentoring, System Design and Architecture
Cloud	Amazon Web Services (AWS), Hetzner / Bare Metal
Databases	PostgreSQL, MySQL, MongoDB, DynamoDB, Redis
Security	Software Development Security, Vulnerability Research, Security Compliance, Web Application Security
Tools	Git, Docker, Vim, JIRA, Grafana, Prometheus, MCP Servers