




Jaryd Diamond

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SKILLS

Languages

Python, JavaScript/TypeScript, C/C++, Java, HTML/CSS

Tools and Frameworks

React, AWS, MySQL, MongoDB, GraphQL, Jenkins, Flask, Ansible

WORK EXPERIENCE

Software Developer

05/2024 – 08/2024

Arctic Wolf

- Engineered a 33x throughput increase in malware sandboxing pipeline, scaling from 90 to 3000+ detonated samples daily, resulting in the detection of 14 novel threats across high-profile clients
- Architected and implemented serverless functions using **AWS Lambda**, managed cross-account **IAM permissions**, and leveraged Infrastructure as Code (IaC) with **Troposphere** and **CloudFormation** for streamlined resource provisioning
- Enhanced threat analysis infrastructure by refactoring **CI/CD** pipeline and implementing automated configuration management for EC2 instances using **Ansible**

Lead Product Developer

12/2023 – 04/2024

99 Ravens AI

- Contracted to scope and build MVP of **LLM-based AI** automation tool to optimize marketing executives' workflows
- Handled all aspects of product development, including industry research, communicating with a non-technical founder, systems architecture, chatbot integrations with **Google Cloud Platform**, model prompt engineering and fine-tuning, and building endpoints

Web Developer

09/2023 – 12/2023

Horizn

- Developed and executed complex database migrations using **Laravel** and **PHP**, successfully integrating critical client configurations and demos for 20+ international banking clients, impacting over 90 million end-users
- Implemented Agile methodologies, including leading daily stand-ups and sprint planning sessions, resulting in consistent on-time project delivery

Junior Developer

01/2023 – 04/2023

Arctic AI

- Engineered various full-stack client projects using the **MERN** stack (**MySQL/MongoDB, Express, React, Node.js**), including development of high-performance migration scripts that successfully mapped 80,000+ client records to a **MongoDB** database
- Independently designed, architected, and deployed a full-stack **MLOps** web application to monitor active machine learning models and extract real-time analytics, which is currently being incorporated into main Managed Service offering

Software Developer

05/2022 – 08/2022

Mikobyte Solutions

- Designed, prototyped, and implemented flagship website as a full-stack developer at a new startup, utilizing **React, Flask**, and **C++**
- Worked directly with co-founders to create and program new website components, along with optimizing existing codebase, resulting in a 100% improvement in website load times

PROJECTS

Resonant

- Built a friend-nominated AI-powered dating algorithm for Valentine's Day, establishing 2 long-term relationships

Chess Engine

- Created chess engine in **C++** following **object-oriented design patterns**, with multiple levels of computer AI including implementing the negamax algorithm to play the most optimal move, resulting in a final grade of 110%

EDUCATION

Bachelor of Computer Science, Honours

2021 – 2026

University of Waterloo

- Cumulative Average: 86.1%, Awarded Term Distinction in all completed terms
- Nominated for Co-op Student of the Year

EXTRACURRICULARS

Host

05/2024 – present

Socratica

- Community building in Waterloo (and worldwide), giving makers a space to pursue passion projects with weekly co-working sessions
- Planned and hosted various events for our over 400 unique attendees, including bonfires, paint nights, and an end-of-term showcase

Project Developer

09/2023 – present

UW Blueprint

- Worked with Feeding Canadian Kids to develop a web platform to streamline the volunteering process, helping to feed over 150,000 children - built with **React, GraphQL, Python (Flask)**, and **MongoDB**
- Currently serving as Internal Director, running community events and managing logistics for our team of over 100 students