Jaden Wang

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EXPERIENCE

Rapid7 - *Software Engineer II*   *October 2021 - Present*
- Developed robust multi-platform Golang system applications and libraries responsible for the configuration, interprocess communication, and continuous release of the Rapid7 Insight Agent.
- Led the modernization of a Python service to a highly available Spring Boot microservice utilizing Redis and SQS, deployed on Kubernetes via Terraform, scaling to requests from over 14 million agents daily.
- Piloted vital metrics pipeline overhaul and analytics dashboards using Kubernetes and DataDog/Grafana, resulting in 50% latency reduction and increased observability for stakeholders on 100% of agents.
- Became a key collaborator of many cross-functional teams delivering a wide range of security features for customers such as agent-based policy assessments and next-generation anti-virus solutions.

Amazon - *Software Development Engineer*   *February 2021 - October 2021*
- Orchestrated the development, deployment, and performance testing of API Gateway and Python Lambda applications supporting a user base of 690k users, with a focus on operational excellence.
- Collaborated with HR representatives to Integrate complex business logic handling of a global employee compensation policy expansion project utilizing Drools and Cucumber for BDD testing.
- Designed and implemented components of an end-to-end ETL data pipeline with data validation and parallel processing using AWS Glue, Batch, Step Function, CloudFormation and RDS (PostgreSQL).
- Mentored junior interns on coding, systems design, and writing best practices within Amazon.

Amazon - *Software Development Engineer Intern*   *May 2020 - September 2020*
- Developed a human resource management platform as part of a global expansion impacting a population of over 139k step-rated Amazon employees, servicing hundreds of global pay coordinators.
- Designed and implemented scalable backend services and internal APIs using Java, MyBATIS, Google Guice, and a variety of AWS services other internal Amazon frameworks.
- Engineered frontend integration with internal APIs and backend services using React.js and Node.js.

University of Toronto - *Teaching Assistant*   *September 2018 - December 2020*
- Taught topics such as file I/O, memory management, algorithms, and data structures using Python and C.

SKILLS

Java | **Python** | **Go (Golang)** | **Terraform** | **SQL** | **AWS (+)** | **Linux**

PROJECTS

Carnet2 - *github.com/jadenyjw/carnet2-arduino* | **Demo:** *https://bit.ly/2IgObn0*
- Engineered a self-driving car with a trainable neural network that can maneuver through arbitrary paths.
- **Technologies Used:** *Software:* Python, Keras, OpenCV | *Hardware:* Arduino, ESP8266

Tanks - *github.com/jadenyjw/tanks-backend*
- Implemented a real-time multi-client server for a game, utilizing websockets for peer communication.
- **Technologies Used:** *Backend:* Node.js | *Frontend:* React.js, Pixi.js | *Systems:* NGINX, Google Cloud

EDUCATION

University of Toronto - *Honours Bachelor of Science - Distinction* | Dean's List x2 | 2017 - 2020
(Computer Science Specialist - Software Engineering & Statistics Major)