

Paul Janiszewski

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Education

University of Waterloo

September 2016 - April 2021

B.A. Sc. Software Engineering

Skills

Languages

Python, Ruby, C++, Javascript, Golang, HTML/CSS, PHP

Frameworks

Vue.js, Node.js, Laravel, AI BIG DATA ML

Tools

AWS, Google Cloud, Docker, Kubernetes, Terraform, Elasticsearch, Kafka, Prometheus, Grafana, MySQL, Travis CI, Spinnaker, Git

Work Experience

Software Engineering Intern - Infrastructure | Whiterabbit.ai

Sunnyvale, CA | May 2019 - Aug 2019

- Implemented Python **Kafka** consumers designed to index incoming medical images in **ElasticSearch** and run AI models to detect cancerous tumours
- Managed **AWS** infrastructure utilizing **Terraform** to provision resources and declare permission policies
- Deployed an end to end monitoring system collecting system metrics on both physical servers and **Docker Swarm** containers, using **ElasticBeat** modules to collect data and **Grafana** to display graphs and generate alerts

Software Engineering Intern - SRE | Dapper Labs (CryptoKitties)

Vancouver, BC | Sept 2018 - Dec 2018

- Spearheaded the creation of a multi-application monitoring infrastructure project using **Prometheus** for scraping and **Grafana** for displaying metrics, enabling latency, container and database alerting and analysis
- Deployed **Kubernetes** services, pods and clusters within the **Google Kubernetes Engine**
- Developed middleware functions to measure Postgres query times to identify and optimize inefficient queries

Software Engineering Intern - Full-Stack | Gradeslam

Montreal, QC | Jan 2018 - Apr 2018

- Architected session-tracking system using **Javascript**, **PHP**, **MySQL**, and Google Charts API to retrieve session information and visualize customer website usage
- Designed multiple front-end layouts and user-interface components via **Vue.js** and **HTML/CSS**
- Created numerous RESTful API routes with Laravel (**PHP**) for creating, sorting, and manipulating data of 10,000 monthly active account and 300+ schools

Software Engineering Intern - DevOps | Oracle

Toronto, ON | May 2017 - Aug 2017

- Implemented multiple monitors to ensure health of Linux and Windows servers with **Ruby** using the **Sensu** platform, allowing instant error response on server failures and greatly improving on-call team processes
- Created **Teamcity** builds with **Ruby** and Bash to automate various DevOps tasks, including rebooting services and clearing storage on specified servers

Software Engineering Intern | Bombardier Aerospace

Montreal, QC | May 2016 - Aug 2016

- Developed a Windows desktop application in **C#** designed for viewing, storing, and analyzing company documents

Projects

Bit Tap | Android NFC Bitcoin Wallet

BitCore API, Kotlin, MySQL, Node.js

- Android app that enables Bitcoin transactions using NFC protocol
- Backend server built in Node.js using the Bitcore API and a MySQL database to store public keys and user information

Collaboreats | Live Group Voting Rooms

Node.js, MongoDB, Vue.js, Yelp API

- Utilized Node.js and Express to create a RESTful API for users to create rooms and add friends with generated room IDs and user IDs stored in a MongoDB database
- Built a web app with Vue.js, allowing rooms users to vote on and add restaurants for making dining decisions leveraging Yelp API