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 Engineer - Infrastructure | Gradeslam   Remote | Aug 2019 - Present

- Leading efforts to **containerize** Vue.js/Laravel web application with >10,000 registered users and **migrate** it from a Digital Ocean virtual machine onto the **Google Kubernetes Engine**
- Designing and deploying an end to end **monitoring** infrastructure to track operating system, http and application metrics using **Prometheus** and Stackdriver to collect data along with **Grafana** to visualize the metrics and trigger alerts

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 multipe 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