Paul Janiszewski

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Education Skills

University of Waterloo

Languages

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

September 2016 - April 2021

France september 2016 - April 2021

B. A. Sc. Software Engineering

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 Al 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