KENTA TELLAMBURA

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EDUCATION

University of Alberta
BSc Computer Software Engineering - GPA: 3.5

Sep 2016 – Apr 2021
Edmonton, AB

SKILLS

- Programming Languages: Python, Java, Rust, SQL, PromQL
- Other Skills: aiohttp, Flask, git, Pandas, Docker, Kubernetes, Linux, Helm, Prometheus, Android

EXPERIENCE

Riot Games
Software Development Intern

May – Aug 2020
Santa Monica, CA

- Incoming intern on the Research and Development team working on back-end services

Demonware (Activision-Blizzard)
Software Dev Intern - Capacity Planning

Apr – Aug 2019
Vancouver, BC

- Worked on the Capacity Planning team to develop tools to analyze and estimate server capacities for Activision games
- Implemented Kubernetes observability into Capacity Planning tools by extracting and transforming 20,000+ container level metrics from Prometheus to gather capacity usage of new titles
- Leveraged Pandas to optimize large-scale processing of metrics in Capacity Planning jobs

Demonware (Activision-Blizzard)
Software Dev Intern - Monitoring

Jan – Apr 2019
Vancouver, BC

- Helped build infrastructure to monitor services for 400 million+ players on games such as Call of Duty and Crash Bandicoot
- Designed and developed an alert testing microservice using aiohttp that simulated failure events to help developers generate and verify notification samples for their alert configurations in several seconds
- Migrated service check clients to Kubernetes by developing scripts to auto-generate Helm charts which allowed for safer, more resilient deployments of company-wide checks

Health Canada
Support Analyst

May – Aug 2018
Edmonton, AB

- Helped research and analyse technical issues that affect the HC network and government systems across the country
- Provided technical support for a large-scale distributed computing system as well as its individual users

PROJECTS

MapReduce
C++

A library to quickly and easily parallelize jobs using the MapReduce paradigm. The tasks are scheduled using a custom threadpool implementation with pthreads

HackerNews Terminal Client
Rust

A terminal app with a rich user interface developed in Rust that can be used to browse HackerNews. Utilized async/await patterns to optimize large-scale querying of their REST API

VOLUNTEERING

Engineering Student Society
Director of IT

May 2018 – Present
Edmonton, AB

- Migrated and maintained the ESS Linux server which hosts the ESS website and processes emails for 4000+ students
- Setup service checks with Google Cloud Platform functions to alert when the site became unavailable