KENTA TELLAMBURA

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EDUCATION

University of Alberta   Sep 2016 – Apr 2021
BSc Computer Software Engineering - GPA: 3.5   Edmonton, AB

SKILLS

- Languages: Python, Go, Java, Rust, SQL, PromQL

- Other Skills: aiohttp, Flask, Vue.js, git, Bootstrap, Pandas, Docker, Kubernetes, Linux, Helm, Prometheus, Android

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EXPERIENCE

Demonware (Activision)   Sep 2020 – Dec 2020
Software Development Intern   Vancouver, BC

- Working on Team Forge, building internal tools and services for Demonware and other Activision studios

Riot Games   Jun 2020 – Aug 2020
Software Development Intern   Santa Monica, CA

- Worked on the development team for the multiplayer tactical shooter game VALORANT, helping build and maintain core game services for its online features

- Implemented endpoint for the official Riot Games API to allow for external developers to query match data. Introduced caching and compression paradigms in Go microservice to accommodate over 50,000+ requests per minute

- Optimized load-testing service for the game platform by incorporating concurrency, increasing its startup speed by 1500%

Demonware (Activision)   Jan 2019 – Aug 2019
Software Development Intern   Vancouver, BC

- Worked on the Monitoring/Capacity Planning Team, building infrastructure to monitor and plan back-end services for 400 million+ players on games such as Call of Duty and Crash Team Racing

- 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

- Designed and developed an asynchronous alert testing microservice using aiohttp that simulated failure events. Created a command-line client for said service so internal teams could generate and verify their alert configurations quickly

Health Canada   May – Aug 2018
Support Analyst   Edmonton, AB

- Helped research and analyse technical issues that affect the HC network and systems across the country while providing technical support for thousands of government employees nationwide

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VOLUNTEERING

Engineering Student Society   May 2018 – Apr 2020
Director of IT   Edmonton, AB

- Migrated and maintained the ESS Linux server which hosts the ESS website and processes emails for 4000+ students

- Setup checks with Google Cloud Platform functions to notify through Slack when the ESS site became unavailable

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PROJECTS

MapReduce   C++
A library used to parallelize jobs using the MapReduce paradigm in an efficient and effortless manner. Developed 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