

MAX ERENBURG

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[\[LinkedIn\]](#)

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SKILLS

- Languages: Python, C/C++, C# (.NET Core), Java, Golang, HTML, CSS, JavaScript
- Backend web development: Flask, Express.js, Swagger (Node.js)
- Frontend web development: React, Redux, UI5
- SQL databases: SQL Server, DB2, Oracle 12c, MySQL, Postgres, SAP HANA
- NoSQL databases: Elasticsearch, DynamoDB, Redis, MongoDB, Google Firestore
- Linux server/network administration: Ubuntu, Debian, CentOS, Fedora
- Cloud technologies: Docker, Kubernetes, Prometheus, Kafka, RabbitMQ

EXPERIENCE

Web and Cloud Developer | SAP Canada

MAY 2020 – AUG. 2020

- Designed and implemented new UI features for the web frontend of the HANA database, including more intuitive file searching and faster client-side filtering
- Wrote design documents and implemented backend capabilities for the web app in Node.js and SQL, including recursive searching and memory-efficient compressed file streaming

Software Developer | eSentire Inc.

JAN. 2019 – APR. 2019

- Wrote programs in AWS to periodically retrieve event data from endpoint devices and whitelist them, using Lambda functions, Cloudwatch rules and DynamoDB
- Enabled communication between these functions using asynchronous message streaming (Amazon Kinesis) and caching for large payloads (Redis)

HACKATHONS AND SIDE PROJECTS

Hack Western, Nov. 2019

- Created a voice-enabled automated scrum meeting assistant, using open source audio processing software and Google Cloud speech APIs
- Designed and implemented a microservice pipeline using Google PubSub and Cloud Functions to process speech input and update a dashboard in real time

Hack The Valley III, Feb. 2019

- Created a service where an IoT device would periodically take pictures of a location and display the population density on a website
- Created a Kubernetes cluster on GCP to run Dockerized microservices
- Used TensorFlow and OpenCV to count the number of people in a photo

EDUCATION

Candidate for Bachelor of Computer Science | University of Waterloo

SEP. 2017 – CURRENT

- Completed: Calculus I and II, Algorithm Design, Object-Oriented Programming