MAX ERENBERG

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SKILLS

- Python (data analysis using pandas/numpy and web development using Flask)
- C, C++
- C# and .NET Core (some experience with ASP.NET)
- HTML, CSS, JavaScript, PHP, Flask (Python), Express.js (Node)
- SQL databases: SQL Server, DB2, Oracle 12c, MySQL, Postgres
- NoSQL databases: Elasticsearch, DynamoDB, Redis, Google Firestore
- Linux server/network administration: Ubuntu, Debian, CentOS
- Microservice tools: Docker, Kubernetes, Apache Kafka, RabbitMQ
- Experience working with cloud infrastructure services on AWS and GCP

EXPERIENCE

Software Engineer | RedIron Technologies
SEP 2019 – DEC. 2019

- Managed the installation and maintenance of a point-of-sale ecosystem on multiple CentOS servers, including Oracle 12c and Apache HTTP server
- Wrote a C# program to generate data to load test an ASP.NET application

Software Developer | eSentire Inc.
JAN. 2019 – APR. 2019

- Assisted in the migration of an on-premise data pipeline to AWS
- Wrote serverless functions in AWS to periodically retrieve event data from endpoint devices and whitelist them
- Enabled communication between these functions using asynchronous message streaming (Amazon Kinesis) and caching for large payloads (Redis)

HACKATHONS AND SIDE PROJECTS

OCR Reader Project, Jan. 2020 – current

- Used the open source Tesseract API to detect and recognize text in pictures
- Wrote a Flask (Python) application to present OCR data in an interactive manner

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