

Endi Caushi

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EDUCATION

Wentworth Institute of Technology

Boston, MA

Bachelor of Science in Computer Science, Minor in Applied Mathematics

May 2022

- **Overall GPA:** 3.94 / 4.0; **Awards:** Dean's List (Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020)

WORK EXPERIENCE

Akamai Technologies

Boston, MA

Software Engineer

September 2020 - Present

- Currently designing new file upload solution for the Documentation team which will save at least \$10,000 in Perforce licenses and will increase employee efficiency and productivity by at least 1hr/user
- Leveraged Presto and Docker to enable integrated querying to different data warehouses which allows ad-hoc queries and templated reports through a custom UI
- Obtained primary responsibility for the department's main internal data analysis and visualization ecosystem
- Implemented data pipeline to process time-series data by integrating 23 million records/day from Akamai's internal pollers using Python and stored processed data in PostgreSQL with TimescaleDB
- Implemented real-time server power utilization data pipeline by integrating 1.2 million records/hour using Python and stored data in PostgreSQL which led to decreased colo costs and more servers placed per rack
- Refactored PHP backend to more efficiently handle high volume SQL queries allowing more usage and increasing throughput by 40%
- Identified and prevented 4 different SQL/JS injection vectors which prevented potential data leaks
- Improved the security of Akamai's internal OAuth2 provider with Flask and React against CSRF attacks and added client whitelisting

Akamai Technologies

Boston, MA

Software Engineer Intern

May 2020 - August 2020

- Developed and released a new page with PHP and React in Akamai's main data analysis system, allowing users to see and understand traffic forecast data to increase planning efficiency by 30%
- Configured MySQL Foreign Data Wrapper into PostgreSQL to enable integrated querying of MariaDB data from PostgreSQL, which led to fixing field type incompatibilities for some MariaDB fields

TECHNICAL SKILLS

Languages: Java, Python, Ruby, PHP, JavaScript, SQL, R, C, C#, F#, Dart, XML, HTML/CSS

Frameworks & Platforms: Android, Flask, Rails, Zend(PHP), Spark, React (Antd), REST APIs, OAuth, Parse

Tools: MongoDB, MySQL, PostgreSQL, PrestoDB, TimescaleDB, Highcharts, ORY Hydra, Docker, Git

Industry Knowledge: Agile / Scrum, CI / CD, TDD, Code Reviews, JIRA, Confluence

SOFTWARE PROJECTS

Microblog (Individual)

May 2020

<https://endis-microblog.herokuapp.com/>

Ruby, Rails, JavaScript, Bootstrap, UI / UX, Heroku

- Developed sample microblog app that includes secure user signup, login, password reset, account management, blogging and asymmetric user following using Ruby on Rails
- Deployed blog on Heroku