Ernst Rullmann

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Profile

Skilled full stack developer with over four years hands-on experience in developing, deploying, maintaining and securing REST API servers, Javascript single-page applications, mobile apps, and CI/CD systems.

Skills

- Highly skilled with Ruby on Rails, Angular (Typescript/Javascript) and SQL (Postgres).
- Strong working knowledge of modern security, PIHPA and GDPR requirements.
- Experience with Docker; AWS CodePipeline, EC2 and ECS; C#; HTML/CSS; and Java.

Experience

DEVELOPER, TUQ – FULL TIME 2017-PRESENT, 3 COOP TERMS IN 2015-2017

- Creating and maintaining complex and up-to-date REST API servers written using Ruby on Rails, PostgreSQL and Elasticsearch.
- Building re-usable components to simplify testing and speed up future development.
- Developing complex mobile (iOS and Android) and single-page (Angular/Typescript) applications that interact with IoT devices.
- Performing security and code quality assessments on existing code bases and developing short and long-term strategies to mitigate and resolve issues.
- Developing Docker images and CI/CD solutions to build, test and deploy servers.
- Working with clients to plan applications, databases and APIs that meet their needs, and regularly meeting with them to provide updates, identify issues and define deliverables.
- Projects include the Nanoleaf Android app (nanoleaf.me), the Arya EHR web application (aryaehr.com), Kyklos Health (kykloshealth.com) and Pharmacy 5in5 (pharmacy5in5.ca).

JUNIOR DEVELOPER, MONOLITH INTERACTIVE – 2 COOP TERMS IN 2014-2015

- Built and maintained websites and APIs using Ruby on Rails and PostgreSQL.
- Developed Android mobile apps that interact with REST APIs and play video and audio media.

JUNIOR DEVELOPER, WORKOPOLIS – COOP MAY - AUGUST 2013

- Constructed and styled HTML website and email templates according to mock-ups.
- Assessed and restyled automated emails to work correctly with various email clients.

Education

HONOURS BACHELORS OF COMPUTER SCIENCE – UNIVERSITY OF WATERLOO, 2012-2017

- Completed Graphics and Real-Time Operating Systems ("Trains") courses.
- Minor in Combinatorics and Optimization.