GABRIEL MORCOTE

✉ gabriel.morcote@gmail.com
🌐 gabemorcote.info
📞 231-360-8781

Skills

Ruby

Ruby on Rails

React

Linux

JavaScript

PostgresQL

ElasticSearch

Object Oriented Programming/Design

Debugging

Microservices

DomainDriven Design

Education

Michigan State University
B.S. Computer Science 2016
GPA - 3.18
Graduation Date - December 2016

Employment

Yello   Chicago, IL
Software Engineer   Jan. 2017 to Current
Ruby on Rails/React developer (focus: backend) building and maintaining SaaS applications for our end users; recruiters and students. Focus on code quality, test coverage, scalability, maintainability, monitoring/performance, and able to apply new technologies to the organization (e.g. GraphQL, microservices). Experience with microservices architecture, and applying best practices. Working closely with product and design to deliver the best solutions for our end users.

Target Corporate   Minneapolis, MN
Software Engineer Intern   June 2016 to Aug. 2016
• Worked within a team whose core responsibility was to create a market data segmentation tool.

• Created and maintained the team's automated browser testing suite using Geb. Communicated with the client and other members within my team to develop the Gherkin used to write the tests around.

• Various UI fixes stemming from bugs exposed by browser automation tests.

• Wrote Heat Orchestration Templates (HOT) to automate configuration and deployment of application and database servers to OpenStack.

Michigan State University Computer Science Department   East Lansing, MI
Research Assistant -- Recruiter   Feb. 2016 to May 2016
• Responsible for the recruitment of users at a weight management/diabetes and endocrinology clinic to participate in an 8 week study involving the use of a mobile application. Users would input their diets for 5 weeks, while the application would give them diet suggestions based on the risk of cardiovascular disease in the future.

Kohl's Corporate   Menomonee Falls, WI
Software Engineer Intern   May 2015 to Aug. 2015
• Worked on a team whose responsibility was to retire an older version of Oracle's Retail Merchandising System (RMS) in order to upgrade to a newer version, which required updating the flow of data throughout existing applications utilizing RMS.

• Collaborated within a team of interns and associates to create a prototype search engine for company data. Gained experience in identifying the business requirements necessary for the project.

Kuali/MSU IT Services   East Lansing, MI
Software Developer Intern   May 2014 to Aug. 2014
• Two phase internship. Attended training in phase I to learn Core Java, Java Enterprise (JDBC, Servlets, JSP), Spring Framework, Struts Framework, PL/SQL, and ORM. Phase I included hands on labs and competency evaluations. Phase II involved training and work on Kuali Rice workflow applications.

• Utilized Java Enterprise Edition (J2EE) to create a web application that would connect students at an institution based on their course schedules. Tested successfully on approximately 200 mock students.

Projects

Open Source Contributions
Contributed to the widely used ruby gems, caxlsx and fast_gettext. Both pull requests can be viewed from my personal website: gabemorcote.info.

Caxlsx is a ruby gem that generates data into Excel spreadsheets. I introduced a security patch that blocks malicious formula-injection attacks from being inserted into spreadsheet cells.

Fast_gettext is a ruby gem that offers faster lookup of language translations. I introduced a change that allowed language locales separated by hypens (e.g. zh-TW - Traditional Chinese) to be loaded by the gem. This change allowed the same performance benefits the gem offers to be applied to these specific types of language locales.

Securitas   Sept. 2016 to Dec. 2016
• Securitas is a python library (available via pip install) which provides a developer-friendly interface to Symantec's Validation and ID Protection (VIP) Service (two factor authentication API (SOAP)). Built on a team for my capstone project, along with a similar Ruby gem/javascript library so web developers using frameworks in Python/Ruby/Js can leverage Symantec VIP through an easy-to-use interface.

Shuttl   May 2016 to Nov. 2016
• A web based startup I work on with two other students that offers a user friendly website building interface/CMS for technical and non-technical users.

Activities

SpartanHackers · Member   Aug. 2015 to Dec. 2016
• Attended weekly workshops and participated in board elections for a group at Michigan State University that holds weekly talks/sessions on new technologies and teaches the basics of new programming languages and frameworks to those that don't have experience or would like to learn more.

MSU Concert Orchestra · Violinist   Aug. 2012 to Mar. 2015
• A first-section violinist in MSU's concert orchestra.