Caleb Sabatini

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Education

Bachelor of Science in Industrial Engineering, May 2013
University of Oklahoma
Cumulative GPA: 3.24
Last 60 hours: 3.62

Work Experience

Information Technology Intern – Data Services
Sonic Drive-In, May 2013 – November 2013

Database Administrator I
Sonic Drive-In, November 2013 – May 2015

Supported operation of SQL Server database systems in development, QA, and production
Utilized SQL Agent, T-SQL and SQL Server Integration Services for scheduling system jobs
Analyzed query execution plans, optimizing for performance with relevant table indexes
Developed SQL views, stored procedures, and triggers for admin and reporting needs

Software Developer I
Sonic Drive-In, May 2015 – November 2016

Software Developer II
Sonic Drive-In, November 2016 – Current

Contribute to development efforts on a team with an Agile SCRUM methodology
Develop software to process data from point-of-sale, mobile, and other systems
Develop software to write to PostgreSQL and Redshift databases using PyGreSQL interface
Deploy software to AWS cloud, running in AWS Lambda containers or Apache Airflow jobs
Unit test code with pytest and mockito, tox CLI for testing multiple Python environments
Git version control use in a team setting, with repositories hosted on bitbucket.org
Monitor and support production processes through building Splunk dashboards and alerts
Implement open source software that adds value, from proof of concept to production

Related Experience

Developing web applications in Python with web frameworks (Flask, Django)
Mapping relational database tables to Python models with SQLAlchemy ORM toolkit
Automating web application deployment and configuration with fabric scripts

Published Projects

Backend REST API and Android Mobile App – Baby Names
Published to Google Play Store, December 2015 (https://goo.gl/i3KNox)

REST API built with Flask framework queries database and returns JSON format payloads
OAuth 2.0 server-side authentication with Facebook and Google for user identities
MySQL database layer behind REST API stores user and application data in 8 tables
MySQL database backups, nginx HTTP log files synced to Amazon S3 for DR and analysis

Backend REST API and Android Mobile App – Trump Tweets
Published to Google Play Store, April 2017 (https://goo.gl/QspQ7s)

REST API built with Flask framework queries database and returns JSON format payloads
Server Python cron job makes HTTP POST calls to Google push notification web service
MySQL database layer behind REST API stores user and application data in 6 tables
MySQL database backups, nginx HTTP log files synced to Amazon S3 for DR and analysis

Certifications

Oklahoma Fundamentals of Engineering Exam, April 2013
University of Oklahoma Lean/Six Sigma Fundamentals, May 2013