Michael Zarate

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Objective

Aspiring Software Engineer, with a U.S. Army background who demonstrates a strong work ethic and team leadership, pursuing an opportunity to grow and advance my career in Software Engineering.

Technical Skills

- Operating Systems: Windows, OSX, Linux
- Applications: JetBrains IDE, Xcode IDE, Microsoft Visual Studio, Microsoft Office
- Programing Languages: Python, HTML, CSS, JavaScript, Ruby, C/C++, C#, Swift
- Frameworks: Bootstrap, Ruby on Rails, Flask

Experience

Advisor IT Service Operations

Dell   Round Rock, Texas   Feb 2017 – Present

- Identified major bugs on separate systems that caused development teams to review the behavior and implement code changes.
- Monitored Oracle Service Bus health with Oracle Enterprise Manager to ensure high availability on the OSB servers.
- Deployed applications to a high security production instance as part of the Federal Business Enablement. Enabled business user to migrate their records and data to a secure environment.
- Building a web app to enable third party vendors to register with Dell Federal and start the partnership process. Utilized Visual Studio and Bootstrap to bring a fresh look to the app.

Software Engineer Internship

Commscope   Tempe, Arizona   June 2016 – August 2016

- Established automated integration testing infrastructure by using a MSBuild script to run unit tests, create and establish database schema, migrate data with fluent migrator and SQL Server, and run integration tests
- Developed a new design prototype. Utilized Microsoft Entity Framework, Entity-Attribute-Value (EAV), Repository and Unit of Work design patterns.
- Tested functional changes to code base by verifying performance of features between major released and unreleased versions of the product.
- Incorporated Stakeholder Review Feedback to make changes on the UI of the configuration application as part of agile methodology.

Education

Bachelor of Science in Engineering

Arizona State University   Tempe, Arizona   December 2016

Computer Systems Engineering   G.P.A. 3.7

Academic Projects

Systems Capstone Project

- Led a team of bright engineering students on a yearlong project.
- Collaborated and designed with my team to build an automated shutter system.
- Delegated sub tasks to team members that best reflected their skills and interests.
- Developed high level system design and architecture.
- Created design diagrams at both system level and component level.

iOS App

- Developed an Address Book App for iOS with integrated map.
- Created a multi-view application utilizing CoreData, MapKit, and Segues for navigation.
- Configured Core data for permanent storage of user data.
- Implemented MVC architecture into application design pattern.

API Driven Web App

- Co-Developed a API driven Web App to give a user localized information about where they are in a big city and track, rate and remember favorite locations.
- Built out core of the App through APS.NET and Web Forms.
- Created custom APIs and hosted the endpoints to handle simplifying API calls to clean up the data before returning the data to the user.
- Created API functionality with Yelp to get geocoded based store information, items and store rating.
- Created API functionality with OpenWeatherMap to get localized weather and forecast information.

Personal Projects

- Python Flask Web Apps. Key functionalities: Google and Facebook OAuth2 login, CRUD functionality with user data using SQL Alchemy, Front End: Bootstrap, Google Geocode API, Foursquare API
- Twitch.tv chat bot. Python IRC chat bot that can respond to chat commands
- Docker Container class: an ongoing class to teach me how to create my own images to have people help me work on projects
- Machine Learning class to learn how to handle data sets and do predictive analytics
- Hadoop / Big Data class to learn how to gather data sets from a wide area of data sources