

Ian Hanken

FULL STACK ENGINEER · IOS DEVELOPER

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Work Experience

Capital One

SOFTWARE ENGINEER

ASSOCIATE SOFTWARE ENGINEER

Plano, Texas

July 2018 - Present

September 2017 - July 2018

- Migrated all microservices to Amazon Web Services Elastic Container Service to speed up development and increase resiliency
- Reduced load time of main web application by 75% through caching API requests via Ehcache
- Removed 70% of primary API's code by migrating code into PostgreSQL stored procedures
- Increased the test coverage of 5 key microservices to 100% test coverage
- Designed and built RESTful APIs using Java, Spring Boot, and Swagger
- Maintained backend services written in Python 3
- Created iOS applications using Swift
- Developed frontend web applications using Angular 5
- Managed continuous integration and continuous deployment pipeline for all of team's project components
- Wrote test automation code and regression test suites to ensure code quality prior to releases
- Employed Scrum methodologies and best practices to manage workflow

Awards

Capital One Team Mark of Distinction Award

May 2018

Capital One Individual Diamond Award

March 2018

Capital One Team Diamond Award

September 2017

Skills

Programming Languages

Swift, Java, Typescript, Javascript, Python, C/C++, Ruby, SQL, R, Objective-C, PHP, LaTeX

Tools and Technologies

Git, Amazon Web Services, Docker, Jenkins, Cocoapods, Fastlane, Travis-CI, PostgreSQL, MySQL

Frameworks

Agile, Microservices, REST, MVC, MVVM, Relational Databases, noSQL Databases

IDEs

Xcode, Visual Studio Code, Atom, CLion, Android Studio, IntelliJ

Certifications

Amazon Web Services Solutions Architect - Associate

March 2018

Projects

Alien Adventure

December 2015 - Present

- Developed a 4-match puzzle game for iOS written in Swift and Objective-C
- Created a point interpolation algorithm for Bézier curves to place levels on a winding path
- Implemented Amazon Web Services for the backend and SpriteKit for the graphics engine

SimpleAWS

December 2016 - Present

- Created a Cocoapod library that beautifies Amazon Web Services API calls in Swift
- Increased readability and reduced code length when making API calls by using closure chaining

Discord Bots

October 2016 - Present

- Created chat bots written in Python 3 for use with the communication application Discord
- Utilized a microservices architecture by splitting functionality into specialized bots using Docker and AWS ECS

Education

University of Memphis

BACHELOR OF SCIENCE, COMPUTER SCIENCE

GPA: 3.61/4.00

Memphis, TN

May 2014 - May 2017

University of Tennessee

BACHELOR OF SCIENCE, COMPUTER ENGINEERING

GPA: 3.55/4.00

Knoxville, TN

August 2013 - May 2014 (Transferred)