

Ian Hanken

SOFTWARE ENGINEER

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Work Experience

Capital One

ASSOCIATE SOFTWARE ENGINEER

Plano, Texas

September 2017 - Present

- Helped my team win the Capital One Auto Finance Diamond Award
- Design and build RESTful APIs using Java, Spring Boot, and Swagger
- Create iOS applications using Swift
- Develop frontend web applications using Angular
- Manage continuous integration and continuous deployment pipeline for all of my team's projects
- Write test and test automation code to ensure code quality prior to deployment
- Employ Scrum methodologies and best practices to manage workflow

FrogHat LLC

DEVELOPER

Memphis, TN

December 2015 - Present

- Developed multiple iOS applications for use across all devices using Swift and Objective-C
- Programmed in a team environment using Git for version control
- Implemented backend data storage, user authentication, and push notifications using AWS
- Performed full UI and unit test automation using Xcode and Fastlane
- Utilized Kanban methodologies and rituals to manage workflow

Skills

Programming Languages

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

Tools and Frameworks

Cocoapods, Fastlane, Agile, Microservices, REST, MVC, noSQL

Operating Systems

Windows, iOS, macOS, *nix Systems

Technologies

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

IDEs

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

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

Education

University of Memphis

B.S. IN COMPUTER SCIENCE

Memphis, TN

May 2014 - May 2017

- GPA: 3.60/4.00

University of Tennessee

B.S. IN COMPUTER ENGINEERING

Knoxville, TN

August 2013 - May 2014 (Transferred)

- GPA: 3.55/4.00

Certifications

2018 Amazon Web Services Solutions Architect - Associate

Extracurricular Activities

2016 Kappa Lambda Chapter of IEEE - Eta Kappa Nu

Memphis, TN

2016 American Mensa

Memphis, TN

Coursework

Models of Computation

Programming Languages

Discrete Mathematics

Computer Architecture

Software Engineering

Programming in C

Operating Systems

Digital Circuit Design

Machine Learning

Algorithms

Database Design

Data Structures