Barry McAndrews

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Accomplished, creative and dependable software engineer with a passion for clean code, innovation, and the cloud, looking to further his experience in software development.

Skills

Languages	Python (3.7), Scala, Java, JavaScript (ECMAScript 2017), TypeScript, Bash, C, C++, Objective-C, Swift, Dart, SQL
Tools	IntelliJ IDEA (Android Studio), Eclipse, Xcode, JUnit, Maven, Gradle, Git, Node.js, Flask, Spring Boot, Webpack, Hadoop, Docker, Kubernetes, Spark, AWS CLI
AWS Services	S3, EC2, EMR, SNS, IAM, Lambda, DynamoDB, Service Catalog, CloudFormation, ECS
Management	Atlassian Suite (Jira, Bitbucket, Confluence, etc.), Axosoft, GitHub Projects, Asana
OS	Windows, Linux (Debian, Red Hat, OpenWrt), Unix (macOS)

Experience

Software Developer   July 2019 – Present
The Vanguard Group, Inc. | Malvern, PA
- Converted portions of monolithic software application into new microservices
- Added new features to large-scale data processing application written in Scala using Spark
- Developed Angular web app to replace portion of Vanguard's website
- Identified and adopted new AWS services for use at Vanguard
- Designed and implemented new cloud architecture via CloudFormation infrastructure as code (IaC)

Software Development Intern   June 2017 – August 2017
ARRIS | Horsham, PA
- Planned and implemented REST API using Spring Boot that replaced current customer support system
- Designed Vue.js frontend for managing ARRIS devices that consumes the mentioned REST API
- Overhauled existing reporting site to display relevant information from a PostgreSQL database
- Created software update script that was deployed to all customer servers

Lead Mobile Developer   June 2016 – January 2017
Musical Minds LLC | Newtown, PA
- Led development team and planned agile sprints for Musical Mind's iOS app
- Architected Objective-C data structures to effectively interact with Spotify, Deezer and Apple Music APIs
- Reviewed and refactored code submitted by the development team before merging it
- Wrote RESTful API routes per best practices for communication with the Python Flask backend
- Designed and produced detailed mock-ups of the iOS app in Photoshop for the development and marketing teams

Developer Intern   September 2014 – September 2015
Tonic Design Co. | Philadelphia, PA
- Tested and recorded bugs in Android apps for the quality assurance team
- Prepared and delivered a presentation about the benefits of peer programming
- Participated in agile sprint planning meetings with the Android development team
- Completed programming and styling tickets in the Android product backlog

Education

Bachelor of Science in Computer Engineering   •   Graduated May 2019
University of Pittsburgh | Swanson School of Engineering | Pittsburgh, PA