

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 TypeScript, Scala, Python 3, JavaScript, Java, Bash, SCSS, C, C++, Objective-C, Swift, Dart, SQL

Tools IntelliJ IDEA, Eclipse, Xcode, Node.js, Maven, Gradle, Git, Express.js, Angular, Vue.js, Spring Boot, Babel, 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

- Modernized Vanguard's web services by creating microservices to replace existing mainframe applications
- Provided business insight by building large-scale data processing applications with Apache Spark
- Developed Angular web app to replace portion of Vanguard's website
- Reduced development work by identifying and adopting new cloud services
- 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
- Ensured code quality by engaging in peer reviews before finalizing code
- 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