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, JavaScript, Kotlin, Java, Bash, SCSS, Terraform HCL, C, C++, Swift, SQL
Tools	IntelliJ IDEA, Xcode, Node.js, Maven, Gradle, Git, Express.js, React, Tailwind, Vue.js, Spring Boot, Babel, Webpack, Hadoop, Docker, Kubernetes, Spark, AWS CLI, Adobe XD, GitHub Actions
Cloud Services	S3, EC2, EMR, SNS, IAM, Lambda, DynamoDB, Service Catalog, CloudFormation, ECS
Management	Atlassian Suite (Jira, Bitbucket, Confluence, etc.), Pivotal Tracker, GitHub Projects, Asana
OS	Windows, Linux (Debian, Red Hat, OpenWrt), Unix (macOS)

Experience

Software Engineer II   April 2021 – Present
Dick's Sporting Goods, Inc. | Pittsburgh, PA
- Gathered feedback from customer service agents and supervisors to build an efficient in-house CRM system
- Increased developer productivity by building GitHub Actions pipelines for new and existing projects
- Ensured cloud stability and parity by enforcing the use of Terraform for all cloud infrastructure
- Architected and implemented low-cost, highly-available email system using Azure Functions

Software Developer   July 2019 – April 2021
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

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

AWS Certified Solutions Architect — Associate • Certified July 2020