**Garrett Beatty**

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**EXPERIENCE**

**Amazon Web Services** *Seattle, WA*

*Software Engineer 2* *August 2022 – Present*

* Designing and developing global scalable services for AWS, specializing in Data Center Automation initiatives to support operations, utilizing Java for backend development and React for frontend interfaces.
* Implemented distributed tracing and synthetic monitoring across the application stack using AWS X-Ray and OpenTelemetry, significantly enhancing observability, reliability, and issue resolution processes.
* Automated regression testing with Cypress, reducing testing time from 2 hours to 10 minutes. Also set up continuous deployment on multiple pipelines, speeding up releases and team efficiency.
* Providing mentorship to junior engineers through design feedback and code reviews.

**Microsoft**  *Seattle, WA*

*Software Engineer* *June 2021 – August 2022*

* Implemented Managed Identity for Azure SQL Database “External REST Endpoints Integration,” enabling customers to conveniently secure and manage their workflows.
* Developed “Bring Your Own Runtime” on SQL Server 2022 Machine Learning Services for Linux, enabling users to configure custom R and Python runtimes.

**Comcast**  *Philadelphia, PA*

*Software Engineer 2* *June 2019 – June 2021*

* Developed microservices that support 30,000 Comcast technicians, using Java, Spring Boot, MongoDB and MySQL.
* Improved the team’s continuous integration process by reducing deployment time from 6 hours to 30 minutes.
* Developed a prototype for iOS testing and release using Concourse, Appium, and Selenium Grid.

**TECHNICAL SKILLS**

Java, Python, Typescript, React, C#, C++, SQL, RDS, DynamoDB, MongoDB, AWS, Azure, Grafana, Docker, Vault, Elasticsearch, Logstash, Kibana, OpenTelemetry, Cloud Foundry, GoCD, Jenkins, Artifactory, Spring Boot, Linux, Git, Continuous Integration, Continuous Deployment, Devops

**PROJECTS**

**Android Application – “arXiv Explorer”**

Published an Android application with over 30,000 downloads that allows users to browse, search, and download scientific papers from arxiv.org.

**PUBLICATIONS**

**“The Use of Unlabeled Data versus Labeled Data for Stopping Active Learning for Text Classification”**

*Proceedings of the 2019 IEEE 13th International Conference on Semantic Computing (ICSC), Newport Beach, CA, 2019.*

**EDUCATION**

**The College of New Jersey** *Ewing, NJ*

*Bachelor of Science, Computer Science*  *August 2015 – May 2019*