

# Garrett Beatty

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## EXPERIENCE

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### 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 which boosted efficiency.
- Provide 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 by from 6 hours to 30 minutes.
- Developed a prototype for iOS testing and release using Concourse, Appium, and Selenium Grid.

## TECHNICAL SKILLS

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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

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### 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

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### “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

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### The College of New Jersey

Ewing, NJ

Bachelor of Science, Computer Science

August 2015 – May 2019