

# Morgan Mihai

[morganmihai@gmail.com](mailto:morganmihai@gmail.com) | 425-327-8136 | Seattle, WA

## Skills

---

**Languages:** Kotlin, Java, C#, Python, Typescript, C++, SQL, GraphQL

**Frameworks:** Orleans, .NET, Spring

**Test Frameworks:** Jenkins, Cypress, Playwright, Selenium, Selenium Grid, Artillery

**MISC:** AWS, CDK, Docker, Git, P4V, Linux

## Experience

---

**Senior SDET, Amazon Games – Seattle, WA**

Dec 2022 – Present

- Experience in software management, managing direct reports and product roadmaps for multiple customer facing web services, resulting in promotions for my reports and meeting goal milestones for product & leadership goals.
- Designed an automation framework used by the Games QA organization for testing PC and console games at scale, using computer vision, Python, C#, Orleans & AWS, reducing the manual testing efforts across the organization.
- Created test plans and automation, including the testing infrastructure, for testing retail order and fulfillment web services, providing 80% test coverage through automation.
- Implemented a CI/CD pipelines with CodeCommit, CodeBuild, and CodePipeline for deploying .NET web services on AWS for touchless continuous deployment of services gated by automated tests.
- Influenced the engineering quality across the organization through centralized test plan reviewing, documentation, live session, code reviews and operational process improvements.

**Software Development Engineer In Test II, Amazon Web Services – Seattle, WA**

Feb 2021 – Dec 2022

- Improved the customer ordering experience and reduced customer service engagement by implementing ordering validations for retail web orders, using Kotlin, Java, Spring, and Apache Tomcat, reducing customer tickets by 30%.
- Created software for load and stress testing web services for AWS Re:Invent, using Java, GraphQL, and AWS EC2, used for gameday testing by AWS Ads & Marketing for AWS Re:Invent 2022.
- Created an automated test infrastructure for UI testing and 24 hour continuous website health checks with automatic ticketing using AWS DeviceFarm, Cypress, and Playwright, increasing UI test coverage by 45%.
- Designed and developed a solution for orchestrating customer GDPR requests across a distributed AWS service using Java, AWS CloudFormation, Lambda, Step Functions, SQS, and SNS, resulting in legal approval for GDPR compliance.
- Designed a load testing service for simulating 100,000+ of concurrent users & API requests, used to validate the launch readiness of new AWS services, using Java, Typescript, AWS CDK, Fargate/ECS, DynamoDB & CloudWatch.

**Software Development Engineer In Test I, Amazon Web Services – Seattle, WA**

Jan 2017 – Feb 2021

- Create testing and service release infrastructure for web services within a new technology stack using Typescript and the AWS CDK resulting in continuous deployment pipelines with code coverage reporting, automated functional API and load testing.
- Created asynchronous end to end automated tests using Java and Netty for validating client/server messaging for multiplayer games.