Ruben Gilbert

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Software Engineer with broad technical skillset spanning cloud (AWS, Azure) and desktop (Linux, Windows, macOS) applications. Experience developing and testing production systems, internal tools, and automation frameworks.

Skills

Languages	Python, C#, JavaScript, Java, C/C++, HTML/CSS, Bash, SQL
Libraries/APIs	unittest, pytest, NUnit, Flask, Django, locust, OpenGL/WebGL, ThreeJS, Playwright, Selenium, AMQP, WMI
Tools	git, Docker/Kubernetes, ElasticSearch, Kibana, Datadog, MSSQL, MySQL, CI/CD (Codefresh, Azure Pipelines, GitHub Actions, Jenkins), Unity, Jira, Confluence,
AWS	EC2, ECS, CloudFormation, boto3, CDK, API Gateway, S3, Lambda, DynamoDB [NoSQL], CloudHSM, RDS
Azure	Service Bus, Functions, Blob Storage, AKS, AD B2C, AZ CLI
Process/Design	OOP, Microservices, Test-Driven Development (TDD), Agile (SCRUM), Kanban

Employment

Surgalign   San Diego, CA (Remote)
Senior Software Development Test Engineer   Dec 2021—Present
- Designed, developed, and maintained a real-time synchronization system for Azure DevOps and Helix ALM work items, significantly improving traceability and increasing work item close-speed by ~50%.
- Designed, developed, and maintained a custom-built Python framework used to automate the HOLO Portal (a multi-screen desktop application). Reduced per-build regression testing time from 2+ hours to ~6 minutes.
- Co-led adoption of Helix ALM. Unified processes, and automated data conversion, of multiple acquisitions. Core Admin.
- Mentored 3 engineers (2 junior, 1 mid-level).
- Interviewed 40+ candidates across multiple disciplines and levels within the organization.

Smith & Nephew   San Diego, CA (Remote)
Automation Engineer (Senior)   July 2021—Dec 2021
- Designed & developed a Python REST API automation framework. Regression testing reduced from multiple days to ~1 hour.
- Mentored 6 members (5 junior, 1 mid-level) of a remote, globally distributed team (West/East US + India).
- Major contributor to alignment of various stakeholders for two major product releases ensuring on-time delivery.

Verimatrix   San Diego, CA (Remote)
Development Test Engineer II   March 2021—July 2021
Development Test Engineer I   January 2020—March 2021
- Designed and implemented the automated end-to-end testing strategy (unit, integration, load, acceptance, and regression) for a SaaS API with thousands of daily users. Reduced production outages from multiple per month to zero.
- Designed and implemented all automated testing for a business-critical license generation system.
- Implemented and deployed bug fixes for a variety of internally- and externally-found TV Everywhere API defects.
- Designed and implemented a custom test framework used to validate 3rd-party Identity Provider integrations improving company-wide confidence in deployments and reducing regression testing time from hours to minutes.
- Co-designed and executed the migration of a live, production application to a new AWS account with zero downtime.

Reflexion Health   San Diego, CA
Software Development Engineer in Test   July 2019—Nov 2019
- Designed and implemented: an integration testing framework for a modular .NET + Unity application, an automated Windows 10 build verification system, and a test framework using C#, Selenium, and NUnit.
- Mentored an SDET intern over 4 months, culminating in the successful completion of the intern's assigned project.

Middlebury College   Middlebury, VT
Assistant in Computer Science Instruction   July 2016—June 2019
- Taught lectures; supervised lab sections; mentored students of all levels; provided single and group assistance to students.
- Managed and trained the department's peer tutors and graders.

Instructor *Special appointment typically reserved for PhD holders*   Fall 2017, Fall 2018
- Independently authored written assignments and recorded instructional screencasts.

Education

Middlebury College   Middlebury, VT
B.A. Computer Science — Cum Laude — 3.54 / 4.0   2011—2015