

# SERGIO PATINO

Accomplished hands-on engineer and technical leader at project and organization levels. Extensive knowledge of both cloud and enterprise technology and methodology. Proven track record in building strategic partnerships and effectively prioritizing work to meet organizational goals. Exceptional analytical, communication, team-building, mentoring, and interpersonal skills.

## EXPERIENCE

### Staff Software Engineer

#### Platform Security & Compliance Engineering

Intuit, Inc.

Feb 2020 - Present

Focus heavily on cloud infrastructure security automation. Our team safeguards Intuit's cloud footprint by ensuring all services adhere to strict security standards.

- Build and maintain components (services, APIs, SDKs, CLIs, data models, and database schemas) for an internal security & compliance platform that supports Intuit's cloud-hosted products and resources.
- Design and implement back end services that enable key functionality, maintain system performance, and operational hygiene.
- Conduct regular meetings with stakeholders and team, managing requests for new components. Collaborate with AWS product teams to assess new features, provide feedback, and influence their roadmap. Maintain design and requirements documentation.

### Staff Software Engineer

#### Cloud Infrastructure Engineering

Intuit, Inc.

Jun 2016 - Jan 2020

My team was responsible for establishing architectural patterns, developing cloud services for event-driven security automation and policy enforcement, operational hygiene, automated monitoring and logging, and cost optimization to enable Intuit's products to run fully in AWS.

- Built a search query service which aggregated events (AWS Cloudtrail & Config) across all AWS accounts and provided attribution and auditing for changes made to production resources. Service was originally built atop Elasticsearch but was later re-designed to use S3 and AWS Athena resulting in significant cost savings.
- Developed a Python-based service for delivering 300k+ time series metric points/second from all of Intuit's cloud services to a monitoring platform, resulting in significant latency reduction and cost savings.
- Maintained and enhanced a service that aggregated metadata for all AWS resources, providing real-time inventory across thousands of AWS accounts. Improved the service's overall uptime and scaled support for new AWS services by 50%.
- Recognized as a high performing member of the organization (Get Things Done Award).

## CONTACT

[sergio@vertigobox.org](mailto:sergio@vertigobox.org)  
[engserg.io/resume](https://engserg.io/resume)  
[linkedin.com/in/sergiopatino](https://linkedin.com/in/sergiopatino)  
858.736.4884

## SKILLS

Golang, Python, Perl  
Javascript, React, Ruby  
Bash, Shell  
Docker, Kubernetes, ArgoCD  
AWS Lambda, Serverless  
Terraform, Ansible, Chef  
CI/CD, Jenkins,  
AWS CloudFormation, AWS CDK,  
MongoDB, SQL, AWS DynamoDB,  
AWS Kinesis, AWS SQS, AWS SNS,  
Observability, Splunk,  
AWS CloudWatch,  
Prometheus, Grafana,  
VMWare Wavefront  
Redis, Memcached  
GraphQL, REST  
AWS CodePipeline,  
AWS CodeBuild,  
AWS IAM,  
Security Engineering,  
DevOps  
AWS Step Functions,  
Vulnerability Management,  
Cloud Security

## CERTIFICATIONS

AWS Solutions Architect

## EDUCATION

San Diego Community College  
2001-2003 - Coursework in  
Computer Science and  
Mathematics

**Staff Systems Engineer**  
Product Infrastructure Engineering

Intuit, Inc.  
May 2012 - Jun 2016

Responsible for infrastructure engineering, automation and monitoring of the Small Business ecosystem within Intuit.

- Planned and executed a data center migration for services, including QuickBooks Online, to a newly built facility. This effort involved automating the provisioning of virtualized resources (VMware), software-defined networking technology (Cisco).
- Revamped the server configuration process by replacing a collection of shell scripts with Chef configuration management tools, resulting in a 50% reduction in maximum server provisioning time.
- Implemented a centralized user authentication solution for production systems access leveraging the DUO security platform. Project was completed in time to avoid contract renewals with a prior vendor and saved the company over \$250K.

**Senior Systems Engineer**  
Service Delivery Engineering

Intuit, Inc.  
Jan 2010 - Apr 2012

Member of the service delivery team tasked with providing IT hosting services to Intuit's Small Business product and service offerings.

- Partnered with developers to understand their hosting requirements, and then planned, built, and deployed on-premise data center infrastructure (network, server, storage) in both bare metal and virtualization environments.
- Planned and implemented scaling capacity, high availability, and disaster recovery strategies, including the build-out of a disaster recovery environment at co-located facilities.

**Systems Engineer**  
Data Center Infrastructure Operations

Intuit, Inc.  
Nov 2007 - Dec 2009

Designed hosting solutions for Intuit's online applications in the web and small business space, supporting some of the largest customer-facing Intuit applications, including its web commerce platform and QuickBooks Online.

- Tasked with operational support of production and development environments, supporting a wide range of systems and environments from highly available front end customer facing offerings, to back office order management applications leveraging a wide range of virtualization, network, and storage technologies (VMWare, EMC, NetApp, Cisco, Big5).
- Acted as liaison between business unit product development groups and partner organization teams (DBAs, Network, Storage Engineers, etc).

**Lead Operations Analyst**  
Network Operations Center

Intuit, Inc.  
Apr 2004 - Oct 2007

Team tasked with 24/7 monitoring and operational support.

- Monitor operations of all data center applications and services associated with Intuit's key businesses.
- Lead analyst responsible for coordinating production outages in coordination with operations support teams, leadership, vendors, and data center facilities teams.