

SRIRAM SURAVARAPU

Senior Software Engineer

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Experienced Senior Software Engineer with over 12 years of expertise in full-stack development, DevOps, and cloud automation across the entertainment, finance, and healthcare industries. Proficient in designing **Service-Oriented Architectures (SOA)**, building scalable microservices, migrating legacy applications, and deploying **cloud-native applications** across **entertainment, finance, and healthcare industries**. Skilled in modern web frameworks, **containerization**, and **observability** tools to enhance system performance and reliability. Strong expertise in **C#, and Node.js** with proven success in **streaming data systems** (**Redis, AWS SQS**) and **high-concurrency architectures**. Skilled in **AWS & Azure cloud platforms, SQL/NoSQL databases, and TDD, AGILE, DevOps** methodologies, delivering secure, high-performing, and mission-critical applications.

- Key Skills -

Languages & Frameworks: C#, .NET Core, Node.js (Express + TypeScript)

Scripting: Python, PowerShell, Shell

Architecture & Patterns: Service-Oriented Architecture (SOA), Microservices, REST, Event-Driven Systems, SOLID principles

Cloud: AWS (Lambda, EKS, EC2, S3, Secrets Manager, SQS), Azure (Functions, Key-Vault), GCP (Pub/Sub)

DevOps: Jenkins, Azure DevOps, CI/CD, Github Actions

Containerization: (Kubernetes, Docker)

Databases & Messaging: SQL Server, Oracle, NoSQL, Redis

Testing & Monitoring: TDD, Jest, Jasmine, Splunk, Grafana, Prometheus, Kibana

PROFESSIONAL EXPERIENCE

Warner Bros Discovery (Formerly Warnermedia)

Aug 2021 – Mar 2025

Senior Software Engineer

Led the migration of .NET services to Node.js microservices using Express and TypeScript, improving scalability and maintainability. Designed and deployed global authentication and authorization systems to support multi-region access. Enhanced system observability by implementing monitoring solutions with Grafana and Prometheus. Developed and optimized microservices using AWS Lambda, S3, EKS, and EC2 to ensure high availability and cost-efficient cloud operations.

Achievements:

- Led the migration of legacy **.NET services** to **Node.js SOA-based microservices**, improving scalability and maintainability across multiple regions.
- Designed and deployed **service-oriented backend systems** supporting millions of concurrent users, leveraging **AWS Lambda, EKS, and Redis** for high-throughput operations.
- Developed **RESTful APIs & streaming data pipelines**, integrating with third-party applications and optimizing for **low-latency data access**.
- Enhanced data processing workflows with **on-demand Lambda functions**, reducing data retrieval times by **40%** and lowering operational costs.
- Built secure **public-facing endpoints** for vendors to access large files from **AWS S3**, ensuring data integrity and access control.
- Implemented **TDD**, achieving **90% unit test coverage** using Jest & Jasmine.
- Designed observability dashboards in **Grafana, Prometheus, and Splunk**, improving incident response by **30%**.

Held **dual roles** at HBO Latin America, contributing as both a DevOps Engineer and a Full Stack Developer.

Full Stack Developer

Migrated existing .NET Framework web API application to a .NET Core application to support containerization. Merged ~50 new affiliations from 29 various countries into the HBOGO platform. Developed an IPTV application delivering video content to internal employees

Development Achievements:

- Architected **SOA-based backend services** for the **HBO GO streaming platform**, scaling to **700K+ concurrent users** during peak events (e.g., *Game of Thrones*).
- Migrated **.NET Framework APIs** to **.NET Core**, enabling containerization and deployment on **AWS EKS** clusters.
- Achieved **90% unit test coverage** by implementing a structured testing framework, improving code quality and reliability.
- Enhanced logging mechanisms to ensure comprehensive log ingestion into **Splunk**, improving dashboard accuracy, **real-time monitoring**, and system observability.

DevOps Engineer

Facilitated various backend services for HBO GO app during Game of Thrones, supporting **700k+ concurrent users**. Subject matter expert **on-prem, cloud, and hybrid pipelines**. Employ security scanning tools (Veracode and SonarQube) to infuse security check-in every phase. Led Migration Team to containerize existing compatible on-prem services to Kubernetes (AWS EKS) clusters.

DevOps Achievements:

- Accelerated service delivery by up to 5x through the development of fully automated deployment pipelines, significantly reducing manual intervention and enhancing operational efficiency across all environments.
- Enforced code quality with **SonarQube** and integrated security scanning using **Veracode**.

J.P. Morgan Chase

Aug 2015 – Dec 2016

Senior .NET Developer

Part of an internal Risk Management application that assess risks across internal applications based on predefined control procedures. Collaborated in **Agile (Scrum)** teams to ensure timely and high-quality deliverables. Utilized ReSharper and supporting tools to enhance code quality and maintain industry standards, while leveraging NHibernate Profiler to analyze and optimize SQL queries.

- Designed and implemented a state machine to automate the lifecycle management of breaks and remedies for non-compliant applications.
- Developed **SOA-based risk management systems** in **C#/.NET**, automating risk remediation processes for internal applications.
- Optimized SQL queries using **NHibernate Profiler** and enhanced data analytics performance for financial risk assessments.

Prayass Solutions

Mar 2009 – May 2012

Software Engineer

Designed Graphical User Interface (GUI) using Master Pages, HTML, JavaScript, and CSS classes. Wrote JavaScript Code for client-side validations.

- Increased existing pages with various AJAX controls, delivering responsive user interfaces to display data on web pages.

EDUCATION & TRAINING

Master of Science in Electrical Engineering, Network Security Specialization ■ San Jose State University

Master of Business Administration in Finance ■ United Business Institutes

Bachelor's Degree ■ Gokaraju Rangaraju Institute of Engineering and Technology