

# SRIRANGA EMANI

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## EDUCATION

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**Rutgers, the State University of New Jersey - New Brunswick**  
*Bachelor's, Computer Science*

August 2018 - May 2022

## PROFESSIONAL EXPERIENCE

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### Codecademy

*Software Engineer II - Platform (Remote)*

New York, NY, USA

February 2025 - February 2026

- Engineered full-stack features across 5+ microservices in a distributed platform architecture, contributing to React/Next.js frontends and Ruby on Rails and Go backends serving 1M+ learners
- Extended and modernized a legacy internal content authoring CMS and supporting Rails backend, reducing engineering dependency for a content team managing 500+ curated courses
- Drove platform-wide performance improvements across a federated GraphQL architecture (Apollo Gateway + subgraphs), extending subgraph schemas, resolving cross-service entity references, and addressing N+1 query patterns — reducing average load/response times by 35% and improving throughput for high-traffic endpoints serving 2.5M+ requests/day across 10+ connected services
- Implemented live learning infrastructure for Codecademy's Bootcamps initiative, integrating the Zoom API and calendar-based session scheduling to support 15k+ learners across concurrent cohorts
- Improved the Jupyter-based ML learning environment, shipping features that reduced save latency by 80%+ for 500k+ active users
- Developed and shipped AI-powered features via Azure Enterprise AI and OpenAI APIs — including a learner-facing AI assistant, Codex-based code completion in the learning environment, and CMS authoring tools that streamlined curriculum creation for the content team
- Contributed to a platform-wide observability migration from Datadog to an open-source stack (Grafana, Jaeger, ELK), cutting observability costs by ~\$500k/year

### Emani Consulting Group

*Full-Stack Software Engineer (Hybrid)*

Ellicott City, MD, USA

February 2023 - February 2025

- Built full-stack web applications and services for clients in the financial and healthcare industries using React, Express.js, Flask, NestJS, and PostgreSQL, including mobile migrations to Expo/React Native that reduced redundant code by 50%
- Streamlined cloud infrastructure using Docker, Kubernetes, and AWS (EC2, S3, Lambda), maintaining 99.9% uptime and reducing infrastructure costs by 30%, supported by CI/CD pipelines built with Selenium, Postman, Playwright, and Jest that cut bug-related delays by 55%
- Delivered real-time observability dashboards and data-driven analysis for enterprise clients using Grafana, Splunk, and Datadog, surfacing actionable insights across 10K+ data points and optimizing database performance via query tuning, Redis caching, and Elasticsearch to reduce latency by 25%

### Rapid Response Monitoring

*Software Engineer I (In-Office)*

Syracuse, NY, USA

July 2022 - January 2023

- Developed and maintained client-facing web applications using Angular, Node.js, and .NET C# MVC, while designing Power BI dashboards backed by Azure Data Lake pipelines processing 5M+ accounts to deliver real-time analytics for enterprise clients

## SKILLS

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**Languages:** TypeScript, JavaScript (ES6+), HTML/CSS, Python, Ruby, SQL, XML

**Frontend:** React.js, React Native, Angular, Next.js, Tailwind, Bootstrap, jQuery, JSON, SASS/SCSS, Vite

**Backend + APIs:** Node.js, Express.js, Nest.js, Flask, Ruby on Rails, Django, ASP.NET, REST APIs, GraphQL, Apollo

**Cloud Infrastructure:** AWS (EC2, S3, RDS, ECS), Google Cloud Platform (GCP), Microsoft Azure, Heroku

**Databases:** SQL (Postgres, MySQL, MariaDB, SQLite), NoSQL (MongoDB, DynamoDB, CockroachDB), Elasticsearch, Firebase

**DevOps:** BitBucket, CI/CD Pipelines, Confluence, Docker, Git, Github, GitLab, Grafana, Jenkins, Jest, Kubernetes, Postman, Prettier, Selenium, Splunk

**Design:** Adobe Creative Suite, Figma, Mockups, Prototyping, UI/UX Design, Usability Testing, User Flows, Wireframing