

Srikanth Lakshminarayan

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EDUCATION

Master's in Computer Software Engineering | *Northeastern University* | *Boston, MA* **Expected Dec 2026**
Relevant Courses: *Web Design, Database Management, JAVA - Object Oriented Programming* **GPA: 4.0/4.0**
Program Structures and Algorithms, Network Structures and Cloud Computing

Bachelor's in Aerospace Engineering | *Amrita University* | *Chennai, India* **Sep 2016 – May 2020**

TECHNICAL SKILLS

Programming Languages : C#, Java, JavaScript, Kotlin, Python, Typescript, SQL
Web Technologies : Kafka, Apache Camel, Rest API, HTML, CSS, PWA
Libraries and Frameworks : React.js, Spring Boot, Angular, Node.js, .NET, MUI, Spring, SonarQube
Database Technologies : Dynamo DB, MS SQL, Oracle, PostgreSQL, MongoDB
Cloud and DevOps : AWS, GCP, Docker, Terraform
Productivity Tools : Git, GitHub, Jira, Copilot, Claude Code, Notion, Slack, Figma, Postman, Agile

PROFESSIONAL EXPERIENCE

Software Engineer Co-op **Jun 2025 – Dec 2025**
Morgan Stanley, New York, NY

- Worked on **Fixed Income** projects building a high-throughput **municipal bond** data pipeline streaming close to 1 million messages per day to Kafka and Dynamo DB for real-time trading
- Redesigned **Dynamo DB architecture** to handle hot partitions using sharding and parallel queries improving data retrieval by 10x
- Segregated live and historical market data into optimized storage tiers reducing data storage and retrieving costs by 60%
- Orchestrated zero downtime migration of the live market data into new architecture for traders and analytics pipelines
- Built daily ETL pipelines using **AWS Event Bridge, Lambda & Glue** to transform 394 GB/month of DynamoDB exports into partitioned **Parquet** datasets, enabling **AWS Athena** queries with 40% faster response times.
- Developed terraform scripts to manage cloud infrastructure across 3 environments, provisioning 8 resources and their dependencies
- On-boarded 2 institutional brokers integrating their data into the platform using multiple apache camel processors and **kafka** topics
- Worked with **portfolio managers**, traders, and brokers to translate business requirements into solutions for municipal bond trading
- Leveraged GitHub Copilot to streamline development workflows, debugging, and automated test case generation reducing implementation time by ~60% while maintaining code quality

Senior Software Engineer **Nov 2020 – Jun 2024**
Psiog Digital

- Redesigned and developed advanced computing web application serving over 10,000 users using **React, Node.js**, and **DynamoDB**
- **Collaborated** with cross-functional teams backend developers and Figma designers to translate APIs, designs and wireframes into accessible front-end components, ensuring responsiveness and usability
- Streamlined development workflows, reducing time-to-release by 192 hours per quarter through improved CI/CD pipelines and automated testing, saving approximately \$135,000 in development and maintenance costs
- Resolved 70% of code vulnerabilities and code smells using **SonarQube**, eliminating duplicate lines and improving code quality across 7+ repositories, enhancing reliability and security of web services
- Used **web sockets** for real-time communication between client and server, achieving data synchronization in under 30ms
- Mentored more than 15 graduate engineering trainees on industry best practices in **end-to-end** software development

PROJECTS

Cloud-Native Web Application | *C# .NET, AWS, Terraform, RDS, GitHub Actions* **Mar 2026**

- Configured Auto Scaling Groups with CPU-based scaling policies behind an ALB, sustaining 3x traffic spikes during load testing with under 200ms response latency
- Utilized API Gateway to manage traffic, ensuring proper routing of requests to 19 REST APIs and Lambda functions
- Built a serverless auth flow with AWS Lambda and SNS, managing 200+ user sessions and processing email verification

Fitness Tracking Application | *AWS, React, Bootstrap, Spring Boot, and FastAPI* **Oct 2025**

- Set up AWS Lambda with **Amazon Cognito** post-sign-in trigger to manage login, session information for over 200 users
- Utilized **API Gateway** to manage traffic, ensuring proper routing of requests to **REST APIs** and Lambda functions
- Configured an AWS Load Balancer with reactive auto-scaling to handle traffic spikes and maintain low latency

CERTIFICATIONS

[Python for Everybody Specialization \(Honors\)](#) : University of Michigan
[Fixed Income Fundamentals](#) : Corporate Finance Institute (CFI)