

Tharun Rajeev

Long Beach, CA | +1 562-719-1094 | | Tharun.rajeev01@gmail.com | [Portfolio](#) | [LinkedIn](#) | [Leetcode](#)

PROFESSIONAL EXPERIENCE

One Advanced, Bangalore, India | Software Engineer

Jan 2021 – June 2023

- Developed a robust full-stack .NET application with secure authentication and authorization features, streamlining Active Directory user synchronization for **10+ UK-based law firm clients**. Effectively communicated technical details to stakeholders, enhancing access management processes.
- Established and optimized CI/CD pipelines, automating testing, security, and hot reload deployments, achieving **80% code coverage** with **1500+ unit test cases** and reducing build time by **77%** for a desktop application through task parallelization and elimination of redundant DLL checks.
- Architected, deployed, and scaled AWS infrastructure using cloud services like S3, EC2, CloudWatch, and Load Balancer, improving system reliability and scalability. Incorporated IAM roles and bucket policies, ensuring secure data access.
- Engineered **15+ reusable C# front-end components**, reducing redundancy cutting development time by **25%**, and migrated them to JavaScript with WiseJ.Net to preserve business logic during cloud transition.
- Deployed an automated build and deployment pipeline for artifacts into AWS S3, streamlining the hotfix deployment process and reducing manual intervention time.
- Led and served as Scrum Master for a cross-functional team of 6 optimizing Sprint Planning and Backlog Grooming processes to enhance collaboration and achieve sprint targets **20%** faster while increasing overall team productivity by **15%** through targeted skill development initiatives.

JSW Steel Ltd, Mumbai, India | Software Developer Intern

Dec 2019 - Mar 2020

- Addressed and resolved **20+ bugs** in a ReactJS web application, boosting system stability by **18%** and improving user experience through performance optimizations and feature enhancements.
- Formulated a barcode and QR code generation system in Java, facilitating the unique identification of **5,000+ materials**, cutting manual inventory tracking errors by **25%** and streamlining e-commerce production workflow efficiency.
- Managed PostgreSQL databases, optimized **30+ complex queries**, and improved overall data access efficiency by incorporating GraphQL and Elasticsearch.

TATA Technologies, Mumbai, India | Software Developer Intern

Mar 2019 - Aug 2019

- Revamped backend search logic in Node.js by integrating database indexing and Redis caching strategies, slashing response times from **5s to 1s (80% performance boost)** for an MVP.
- Optimized machine learning algorithms using python through TensorFlow NLP for evaluating metrics, achieving a **30%** reduction in development time.

SKILLS

Programming Languages/Scripting: Java, Kotlin, Python, C, C++, C#, JavaScript, TypeScript, HTML, Cascading Style Sheets.

Frameworks: .NET, ReactJS, .NET Core, Angular, Node.js, Flask, Express.js, RESTful APIs, Hibernate, GraphQL.

SQL/NoSQL Databases: MySQL, Oracle, MongoDB, PostgreSQL, MS SQL Server, Cassandra.

Cloud Architecture: Amazon Web Services, Azure Cloud, Apache Tomcat, Docker Containers, Kubernetes.

Technologies/ Tools: Git, JIRA, Unix, Linux, Artificial Intelligence /ML, ETL/ELT, DevOps, CI/CD, SDLC, Agile, Scrum, Jenkins, Postman, Maven, Apache Kafka, distributed systems.

Certifications: [AWS Certified Developer Associate](#), [AWS Certified Solution Architect](#), [AWS Certified Cloud Practitioner](#), [Kaggle Data Science](#), [AWS Fundamentals](#), [Python DS](#)

EDUCATION

California State University Long Beach, CA

Aug 2023 - May 2025

Master of Science in Computer Science

SRM Institute of Science and Technology, Chennai, India

Aug 2017 - June 2021

Bachelor of Engineering in Information Technology

PROJECTS

CerebrumNote | [Link](#) | [GitHub](#)

- Developed a lightweight, Notion-style editor leveraging modern technologies like Vite, React, TypeScript, and TipTap, with advanced features including slash commands and an AI-powered writing assistant (Google Gemini) for enhanced user productivity.

SummarAI | [Link](#) | [GitHub](#)

- Developed a Flask-based application to summarize YouTube videos using OpenAI, offering two summarization modes processing over **100+ videos simultaneously** with an average response time of **<2 seconds**.

Social Cop | [GitHub](#)

- Solutioned and created an Android app using MongoDB to store **8,000+ posts** and AWS S3 for complaint image storage, with Node.js handling server-side, dynamically scaling servers to reduce latency by **30%** and handle up to **5,000** concurrent requests.

Search Algorithms Visualizer | [Link](#) Sorting Algorithms Visualizer | [Link](#)

- Initiated an innovative way to teach Search Algorithms like Dijkstra, A*, BFS, DFS to my students while working as a TA.
- Demonstrated a live coding session for my students to code sorting algorithms for a fun learning process.

HadoopNova | [GitHub](#)

- Implemented a pipeline to transform large datasets between formats, such as CSV and JSON, using Hadoop and MapReduce.