

# SAI SUNIL NERALLA

+1 (667) 289-5785 [✉ sunilneralla1998@gmail.com](mailto:sunilneralla1998@gmail.com) [🌐 linkedin.com/in/neralla-sunil](https://www.linkedin.com/in/neralla-sunil) [🐙 github.com/snerall1](https://github.com/snerall1)

Full Stack Developer with experience building scalable backend services and cloud-native solutions in fast-paced environments. Proven impact in fintech, e-commerce, and telecom domains.

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, Python, C, C++

**Frontend development:** Angular, jQuery, HTML, CSS, React Bootstrap, Tailwind CSS

**Backend development:** Spring MVC, Spring Boot, JUnit, Node.js, Express.js, Next.js

**API development/ tools:** Microservices, SOAP, REST API, HTTP/HTTPS, XML, JSON, Postman

**CI/CD, build tools:** GIT, GitHub, Bitbucket, Maven, Docker, Kubernetes,

**Databases, Cloud:** MySQL, MariaDB, Mongo DB, PostgreSQL, DynamoDB, AWS, Azure

## EXPERIENCE

### Software Engineer Intern | Copart

Jan 2024 - Present

- Developed and optimized RESTful APIs for member registration, payments, and delivery using Java and Spring Boot, supporting over 2M+ users. Enhanced UI performance with Angular, reducing UI-related bugs by 40%.
- Collaborated on back-end development, reducing post-release issues by 60% in an Agile environment. Automated deployment processes with Jenkins and Spinnaker, decreasing release cycles by 30%.
- Developed real-time data streaming solutions with Apache Kafka, improving data consistency by 20% and ensuring data integrity through XML-based validation, impacting 99% of critical workflows.

### Software Engineer | Ericsson

Sep 2020 - Aug 2022

- Developed and maintained microservices using Java and Spring Boot to manage FCAPS (Fault, Configuration, Accounting, Performance, and Security) functions in telecom network nodes.
- Optimized the evolution of 5G nodes by integrating new service groups into cloud servers (cENM), enhancing network management and improving system performance for over 50 million users.
- Managed patch rollouts and bug fixes, performing root cause analysis and validating new node versions to reduce downtime and system failures.
- Improved deployment efficiency with Maven, Docker, and Jenkins in CI/CD pipelines. Used Postman to test REST APIs in Agile delivery cycles, increasing team productivity by 15%.

### Software Engineering Intern | Grepthor

May 2019 - July 2019

- Developed a stock market prediction model, influencing investment decisions for over 1,000 clients by leveraging Python, Scikit-Learn, and NumPy to extract and analyze large datasets while optimizing machine learning models.
- Identified and interpreted trends in complex datasets using supervised and unsupervised learning techniques, improving overall project performance.

## EDUCATION

### Master of Science in Computer Software Engineering

Aug 2022 - May 2024

Arizona State University, Tempe

3.71/4.0

### Bachelor of Technology in Computer Science

Aug 2016 - June 2020

Gandhi Institute of Technology and Management, Vizag

8.64/10.0

## PROJECTS

### Scalable URL-Shortener | *Spring Boot, React, PostgreSQL*

- Created a full-stack URL shortener system that converts long URLs into shareable short links, supporting analytics and 1M+ redirections.
- Implemented JWT auth and rate-limiting mechanisms, reducing abuse by 95% and improving system resilience.

### Twitter Clone | *Erlang, Akka, WebSocket API*

- Modeled a Twitter clone engine utilizing the WebSocket API to perform functionalities like registration, tweet, re-tweet, etc.
- Executed system processing for 11,000 users with every user having a maximum of 10 tweets of string length of 20.

### Quick Cart - E-commerce API | *Node.js, JavaScript, MongoDB*

- Built a scalable and secure backend API for an e-commerce platform, designed for high concurrency and modularity.
- Achieved 99.9% uptime and reduced unauthorized access using JWT by 90%.

### Healthcare Sematic Web Application | *Owl, Vercel, React, SPARQL*

- Developed ontology-based health records platform enabling <1s retrieval for 5,000+ users.
- Reduced manual data aggregation time by 80%, enabling real-time access to integrated healthcare data using semantic search.

## CERTIFICATIONS & ACHIEVEMENTS

### Salesforce Certified Developer – I | Jan 2025

- Successfully attained certification demonstrating proficiency in developing applications on the Salesforce Services platform.

### Employee Of the Month Award – ‘Spot Award’ at Ericsson | Feb 2022

- Recognized for handling a critical MR as a Lead SPOC for exceptional performance and expertise.

### Introduction to Virtualization - VMware | Aug 2019

- Completed a course covering virtualization fundamentals and VMware architecture used in cloud infrastructure environments.

### NPTEL Certified in Python Programming | May 2018

- Completed a rigorous academic-level course focused on Python programming, algorithms, and data structures, offered by IIT India.