

# Nageswara Rao Maridu

Senior Software Engineer II(Staff)

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## Profile

Results-oriented and innovative Senior Software Engineer with nearly **10** years of expertise, specializing in building large scale cloud native SaaS solutions with **microservices** architecture. Responsible and articulate individual with strengths in System Design, Solution Optimization, Cloud, Microservices architecture and Domain Driven Design.

Seeking a challenging senior/lead role in distributed system projects where I can utilize my experience to drive innovation and contribute to the success of projects.

## Areas of Expertise

Software Development - Distributed Systems - Microservices - Cloud Computing - Object Oriented Design - Concurrent Programming - REST - Event Driven Architecture - IAM - DDD - TDD

## Work Experience

Staff Software Engineer	<a href="#">Synopsys Canada</a>	Calgary, AB, Canada	Jan 2022 - Present
Senior Software Engineer	<a href="#">Synopsys India Pvt Ltd</a>	Bangalore, KA, India	Dec 2016 - Jan 2022
Associate Software Engineer	<a href="#">Cigital Asia Pvt Ltd (now Synopsys)</a>	Bangalore, KA, India	June 2016 - Nov 2016
Application Programmer	<a href="#">Syntel Pvt Ltd (now Atos)</a>	Chennai, TN, India	Oct 2014 - May 2016

## Projects

**Polaris Nextgen** *Dev 2020 - present*

Polaris is an integrated, cloud-based SaaS application security testing solution designed specifically for DevSecOps and development teams. I'm the lead developer responsible for design and development of SCM integration, Audit, Notification and IAM microservices for the platform.

**Stack:** Java, Golang, Spring Boot, Postgres, jOOQ, Rabbit MQ, Redis, Kubernetes, Datadog, RHSSO, Auth0

- Designed and developed a microservice for seamless integrations between Polaris and popular SCM platforms like GitHub, GitLab, and Azure, enabling real-time scanning of source code and automated security testing.
- Developed a Golang based SCM Runner module that securely pulls source code from various platforms (e.g. GitHub) and uploads it to Google Cloud Storage.
- Played a crucial role in resolving critical issues in Polaris Audit Service, enabling successful closure of a key deal, and led the design of self-serviceable audit logging capabilities that significantly reduced manual effort and improved overall operational efficiency.
- Led the redesign of Polaris email notifications, introducing a template engine for efficient email template management, and modularized the notification service code base using Domain-Driven Design (DDD), while also developing an end-to-end test suite to ensure seamless workflow testing.
- Demonstrated quick domain expertise in Identity and Access Management(IAM) and led the transition from RHSSO to Auth0 IDP, successfully delivering user management and login workflows using Auth0, as well as critical features like Kong and Auth0 integration.

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### Reporting Platform

Mar 2018 - Nov 2020

Reporting platform is a cloud-based SaaS platform that provides key insights on software risks, aggregating security vulnerabilities from multiple sources into a single dashboard for visualization. I played a crucial role in bringing this idea to life by understanding marketing professionals' requirements, designing and developing the solution.

**Stack:** Java, Spring Boot, Spring Batch, Postgres, jOOQ, Rabbit MQ, Redis, Kubernetes, New Relic

- Implemented promotional activities such as re-targeting campaigns for e-commerce businesses.
- Monitored the performance of PPC campaigns through Google Adwords.
- Managed and optimized PPC campaigns, resulting in a 5% increase in click-through rates.

### Software Security Applications (Cigital, Synopsys)

June 2016 - Feb 2018

As a Full Stack Developer at Cigital, I contributed to the development of several software security applications, including:

- **mySSI** : Platform for managing Secure Software Development Lifecycle(SSDLC) activities of software projects.
- **CEDAR** : A web application for scheduling penetration tests and managing test reports.
- **Secure Assist** : An on-premise static code analysis platform for softwares.

**Stack:** Java, Spring Boot, JSP, MySQL, REST API, JavaScript, Bootstrap, Angular 2+

#### Key Responsibilities:

- Designed and developed multiple full-stack applications using a range of technologies..
- Led the transformation of a JavaScript based frontend application to Angular 2+ for a project, while assisting fellow developers in writing efficient and maintainable code.
- Made a significant impact by quickly acquiring expertise in Angular 2+, leveraging it's features and best practices to drive project success.
- Demonstrated expertise in migrating existing authorization model from RBAC to the new PBAC model using spring security framework.

### Plan Sponsor Application Suite (Syntel Pvt)

Oct 2014 - May 2016

In my early years as a software professional, I worked as an outsourced Applications Programmer for Manulife, a Canadian multinational insurance company in modernizing their retirement plan service applications.

- Enhanced multiple backend applications to improve performance and efficiency..
- Migrated the legacy HTML/CSS based front-end to a modern Bootstrap 5 based frontend, ensuring a seamless user experience across multiple browsers.
- Designed multi-browser compatible UI components using JavaScript and jQuery, streamlining the development process.
- Developed shell scripts and Ant scripts to automate local development processes, significantly increasing developer productivity.

This project showcases my early beginnings in the software industry, highlighting my ability to work on diverse tasks, from backend enhancements to frontend migrations, while also demonstrating my passion for process improvement and automation.

## Education

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**Integrated Dual Degree** *Rajiv Gandhi University of Knowledge Technologies*

**Nuzvid, India** 2008-2014

CGPA : 8.15/10

Bachelor of Technology in Computer Science & Engineering — Minor in Management Studies.

## Skills

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- **Java**(primary), **Golang**, Python, JavaScript
- **PostgreSQL**, MySQL
- **RabbitMQ**, **Redis**, **Kubernetes(GCP)**, **Docker**, **Datadog(Log Monitoring)**
- **REST**, gRPC API development
- Event Driven **Microservices** Development
- **Domain Driven Design**

## Achievements

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**Ace Award** (*Synopsys Inc*)

**Calgary, AB, Canada** Oct 2023

Awarded the Ace Award for Outstanding Performance, recognizing my exceptional contributions to the team. Notable achievements include:

- Rapidly gaining expertise in Audit and Notifications domains, consistently delivering crucial features.
- Successfully addressing complex consumer issues that significantly contributed to closing major deals.
- Improving system design to accommodate innovative solutions, ensuring smooth progression of essential functionalities.

This achievement showcases my ability to adapt quickly, think critically, and drive results.

**Star Award** (*Synopsys Inc*)

**Bangalore, KA, India** Aug 2019

Recipient of the Star Award in individual category, recognizing my extraordinary performance in designing and developing the Reporting Platform for Software Security Vulnerabilities. Notable achievements include:

- Played a crucial role in designing and implementing the reporting platform, extracting data from multiple sources using batch pattern within a short span.
- Demonstrated exceptional expertise and problem-solving skills in integrating diverse data streams to provide actionable insights.

This achievement highlights my ability to drive complex projects forward, think creatively, and deliver high-quality results under tight deadlines.