

# Arokia Lijas

## Senior Software Engineer

Versatile Senior Full-Stack Developer with 7 years of experience, specializing in complex systems architecture using Angular, Node.js, and Python. Proven expertise in leveraging Generative AI to accelerate development, transforming PoCs into productized tools, and driving significant improvements in resource optimization. Passionate about technical ingenuity, continuous learning, and sharing knowledge.

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## SKILLS



## WORK EXPERIENCE

### Senior Software Engineer

Siemens Technology and Services Limited

09/2023 - Present

Bengaluru, India

#### Achievements/Tasks

- Acting as the Generative AI Advocate, driving the adoption of GitHub Copilot and LLMs to accelerate development workflows. Successfully transformed a hackathon PoC into a productized GenAI tool (Winning the Value Creator Award), effectively impacting 85% of user processes.
- Designed scalable backend architectures for EV charging depots using NodeJS, handling real-time scheduling. Optimized resource allocation algorithms to handle high-concurrency requests, improving system efficiency by 35%.
- Diagnosed and resolved a critical, multi-year memory leak in a distributed microservices environment. This fix reduced out-of-memory pod crashes by 100%, optimizing CPU/memory resource usage and ensuring high availability for mission-critical services.
- Established Test-Driven Development (TDD) protocols, ensuring both human and AI suggestions are error-free and robust. This rigorous testing approach helped the team identify and resolve many critical and logical errors.
- Led the frontend development of the application using Angular, creating responsive user interfaces to visualize smart charging strategies.
- Engineered a serverless deployment trigger using AWS Lambda to automate manual AWS Amplify builds, reducing deployment friction and potential for human error.
- Identified critical latency bottlenecks during NFR Testing and re-architected synchronous API communication into an asynchronous, event-driven system using RabbitMQ . This decoupled architecture significantly reduced response times and improved application throughput.

### Software Engineer

Siemens Technology and Services Limited

04/2022 - 09/2023

Bengaluru, India

#### Achievements/Tasks

- Implemented a one of its kind lazy loading technique which removed the bottle neck of No. Of assets that can be added in the app and also decreased the application's memory usage by 35%.
- Lead a team of 4 engineers, overseeing the full development lifecycle, conducting rigorous code reviews, and defining engineering best practices to ensure high-quality delivery.
- Quickly scaled up in learning a new language (Python) and assumed responsibility for a that microservice, overseeing its development and enhancement processes.
- Refactored legacy Cypress tests to eliminate race conditions, leading to a 20% decrease in intermittent failures and saving manual regression testing hours.
- Collaborated with a global engineering team to integrate a dynamic load management algorithm, resulting in a 35% improvement in resource allocation.
- Mentored a college student who was part of the corporate scholarship program.

# WORK EXPERIENCE

## Fullstack Developer

Lumiq.ai

12/2021 - 04/2022

Achievements/Tasks

- Worked in Insurance domain.
- Engineered a digital document submission workflow using Angular and Node.JS, replacing a manual file checklist system. This automation significantly reduced processing time for insurance claims.



Chennai, India

## Software Engineer - I

HashedIn by Deloitte

07/2021 - 12/2021

Bengaluru, India

Achievements/Tasks

- Lead the UI team which was one of the top six in the hashedIn product demo.
- Created new workflow screens using React.JS which ensured easy onboarding of customers.

## Systems Engineer

Infosys Limited

05/2019 - 07/2021

Mysuru, India

Achievements/Tasks

- Operated within an agile R&D unit to develop and validate multiple Proof of Concepts (PoCs). Successfully deployed these prototypes to AWS, enabling rapid feedback loops and technical feasibility studies.
- Led the development and deployment lifecycle (code review, deployment) for the Infosys Meridian Platform, earning the Infosys Awards for Excellence.
- Spearheaded the migration of legacy web interfaces from jQuery to Angular, significantly improving application maintainability, performance, and user experience.
- Delivered multiple web applications from scratch using Angular and Node.JS taking ownership of the full SDLC from requirement gathering to production deployment.
- Mentored interns who joined the team.

# HONOR AWARDS

## Path Finder (09/2025)

Siemens Technology and Services Limited

- For exceptional technical ingenuity and cross functional impact

## Value Creator (12/2024)

Siemens Technology and Services Limited

- Got the prestigious award for a doing a POC which was later integrated with the application

## Infosys Awards for Excellence (01/2021)

Infosys Limited

- For the outstanding achievement in creating the Systems and Process in Live Enterprise - Infosys Meridian Platform

# CERTIFICATES

## AWS Partner: Accreditation (Business)

(07/2021 - Present)

## AWS Partner: Accreditation (Technical)

(07/2021 - Present)

# EDUCATION

## Bachelor of Engineering (Mechanical)

St.Joseph's Institute of technology

06/2015 - 04/2019

7.65

# HSLC

Zion Matriculation Higher Secondary School

06/2014 - 04/2015

95.5%

# LANGUAGES

## English

Full Professional Proficiency

## Hindi

Limited Working Proficiency

## Kannada

Limited Working Proficiency

## Tamil

Full Professional Proficiency