

# SOURAV KUILA

Bangalore, India

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## Experience

Capgemini, Bangalore

July 2022 - Present

Senior Software Engineer

Bangalore, karnataka

- Developed a **Generative AI** solution leveraging **Azure AI Search** for efficient data retrieval and **GPT-4o** for advanced generation capabilities.
- Built **RESTful APIs** using **Node.js** and user-friendly front-end development using **Angular**.
- Full-stack development** using **Node.js**, **Express.js**, **Sequelize ORM**, **PostgreSQL**, **Angular** featuring a **robust** and **scalable architecture** with a well-defined database schema and an interactive user interface.
- Developed and executed unit and integration tests using **Jasmine** and **Karma**, achieving over **80%** code coverage and ensuring optimal performance and stability.
- Designed and developed a dynamic web application using **Angular**, incorporating the **Ionic Framework** and **Capacitor** to optimize mobile responsiveness and integrate native device features, delivering a seamless cross-platform experience.
- Worked on various **Use Cases** including designing and implementing secure **Role-based access control systems**, automating **Server Log Analysis** for enhanced monitoring, building efficient **File Transfer** solution and **Test-Driven Development**.
- Contributed to the development of an **Accelerator tool** using **Python**, automating the refactoring of small applications, resulting in significant reduction in **manual refactoring time**.
- Contributed in enhancing the maintainability and performance of a **Node.js** application by effectively **refactoring** the codebase, **reducing complexity**, and improving readability and efficiency.

## Technical Skills

Languages: JavaScript, Typescript, SQL

Web Development Frameworks: Angular, Node JS, Express JS

Databases: PostgreSQL, MongoDB, MySQL

DevOps and Automation: Terraform, Jenkins, Github Actions, Docker

Cloud Services: Azure

Tools: Git, Postman

## Projects

E-library | **Angular, Node.js**

Aug 2023

- Developed a interactive and user-friendly digital library experience where users can explore subscribed books and read. Github link - <https://github.com/souravkumarkuila/E-library>

Amusement Park Booking System | **Angular, Node.js**

Oct 2024

- A Streamlined Ticket Management and Booking Platform where users can easily book tickets based on ticket types using Angular and Node.js. Link - <https://github.com/souravkumarkuila/Amusement-park-backend>

E-Commerce | **Angular, JSON Server**

Sep 2023

- Developed a responsive e-commerce app featuring product listing, search, cart and checkout. Github Link - <https://github.com/souravkumarkuila/E-Commerce>

Hotel management system | **Angular, Java, Microservices**

May 2022

- A hotel management system featuring room booking, pricing categories, guest registration built using microservice architecture. Github Link - <https://github.com/souravkumarkuila/Hotel-management-system-backend>

## Education

SRM Institute of Science and Technology

June 2018 – May 2022

Bachelor of Technology in Biotechnology

Chennai, Tamil Nadu

CGPA : 8.59/10

Higher Secondary Education (Science)

June 2015 – March 2017

Vikash Residential School

Bhubaneswar, Odisha

Percentage : 80.6%

## Certifications

AWS Certified Developer - Associate. Sep 2024

AWS Certified Cloud Practitioner. Oct 2022

Google Cloud Digital Leader. Nov 2022

Microsoft Certified: Azure Administrator Associate May 2025

Microsoft Certified: Azure Fundamentals. Sep 2023

Generative AI Fundamentals. June 2023

Agile Software Development. Oct 2022