SOURAV KUILA

Mumbai, India

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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%

Experience

Capgemini, Mumbai   July 2022 - Present
Senior Software Engineer   *Mumbai, Maharashtra*
- 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, Python, SQL
Web Development Frameworks: Angular,Node JS, Express JS
Databases:PostgreSQL, MongoDB, MySQL
DevOps and Automation: Terraform, Jenkins, Github Actions, Docker
Monitoring: Prometheus, Grafana
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

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