NEERAJ MANIVARNAN

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EDUCATION

B.Tech in Computer Science and Engineering, TKM College of Engineering.   Expected 2025
Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming,Database Management System.

Higher Secondary Education, SNSM HSS,Kollam.   2019 - 2021

SKILLS

Technical Skills	Java,Python,React,Spring-boot,Spring,Django,MySQL,MariaDB,Hibernate,ORM
DevOps Tools	Linux,Git,Docker,Kubernetes,Terraform,Jenkins CI/CD,Azure Devops,JUnit Testing
Cloud computing	AWS (**Certified Cloud Practitioner**),Google cloud platform
Other & soft skills	Microservices,code debugging,Communication,Networking,Team building and collaborating

EXPERIENCE

Backend Developer   Mar 2024 - April 2024
Hestia Web Team,TKM College of Engineering   *Kollam,Kerala*

- Developed a comprehensive sponsor management system for the Hestia's website backend.
- Improved data organizaiton by 75%
- Integrated this system into a website with more than 4000 users.

Open Source developer   Jan 2024 - Feb 2024
Meshery,Cloud Native Manager   *Remote*

- Identified and repaired broken links within project documentation, enhancing accessibility and user experience.
- Reduced user reported issues by 10%

PROJECTS

TKMTube. Designed and implemented a robust and scalable microservice-based social media platform utilizing Spring Boot to effectively address the need for centralized media storage. This involved architecting multiple microservices to handle user authentication, media upload, and retrieval. [Project Link]

AWS Infrastructure Provisioning with Terraform. Designed and provisioned scalable AWS infrastructure using Terraform, resulting in a 50% reduction in deployment time and a 30% decrease in configuration errors. The project involved setting up a VPC, internet gateway, custom routing tables, subnets, security groups, and deploying an EC2 instance with a web server. Automated infrastructure provisioning improved efficiency and consistency. [Project Link]

Yieldify. Incorporated mathematics and normal distribution to develop a web app using Spring Boot and React, thereby automating 60% of the manual tasks. [Project Link]

Chrome extension. Developed a streamlined Chrome extension for note-taking, utilizing advanced JavaScript frameworks. Increased personal productivity by 40%. [Project Link]

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Meta Version Control - Coursera
- Master Java,Spring 6 and Spring Boot 3 with,Security, Docker and Microservices with Telusko - Udemy
- Linux for beginners - Udemy

EXTRA-CURRICULAR ACTIVITIES POSITIONS OF RESPONSIBILITIES

- Google Developers Students Club Hackathon Finalists: Successfully managed a team of four to achieve 80% of the core functionalities using Spring-boot and REST APIs for Yieldify within 24 hours, ensuring a strong foundation for further development. This teamwork contributed to our team's top 5 finish.

- As the Ambassador of FOSS CELL at TKM College of Engineering, championed the FOSS culture by advocating open-source software adoption and organizing 5+ workshops and events, which increased student engagement with open-source projects by 30%.

- Debugging Competition: Secured first prize in a debugging competition at the national level techno-cultural fest organized by the Computer Society of India, TKMCE.

- Sports: District level badminton player in 2019