

NEHA GALLA

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SUMMARY

Software Engineer with 3+ years of hands-on experience designing and building scalable full-stack and distributed systems using Java, Python, Spring Boot, React.js, and Node.js. Skilled in developing cloud-native applications and ETL pipelines, with deployment experience on AWS and Kubernetes. Familiar with Azure services, DevOps practices, CI/CD pipelines, container orchestration, and secure API development. Strong foundation in data structures, algorithms, microservices architecture, and Agile delivery in both FinTech and healthcare domains.

SKILLS

- **Programming Languages:** Java, Python, C++ ,JavaScript
- **Frontend Development:** React.js, Angular, HTML, CSS, Bootstrap, JQuery
- **Backend Development:** Spring Boot, Hibernate, Node.js, RESTful APIs
- **Databases:** MySQL, MongoDB, PostgreSQL
- **DevOps & Cloud:** AWS, Docker, Kubernetes, Jenkins
- **Software Development Lifecycle:** Agile, Waterfall, Requirement Analysis, System Design, Testing, Deployment, Maintenance
- **Data Engineering:** ETL, Data Pipelines, Data Modeling, Database Design
- **Libraries & Frameworks:** NumPy, Scikit-learn, TensorFlow, Matplotlib, Pandas, Seaborn
- **Tools:** Jupyter Notebook, SQL workbench, Visual Studio, GitHub

WORK EXPERIENCE

TEKPRISMIT

Software Engineer

Sep 2024 - Present

Cary, NC

- Designed and built real-time data pipelines and distributed systems using Python and SQL for analytics and reporting.
- Developed scalable microservices using Spring Boot and Node.js, integrated with React.js frontend.
- Improved REST API performance by 30% via optimized database queries and in-memory caching strategies.
- Deployed cloud-native applications using Docker and Kubernetes on AWS; familiar with Azure cloud concepts including VNets, Azure DevOps, and security zones.
- Implemented CI/CD workflows, managed infrastructure scripts, and automated deployment tasks.
- Collaborated across cross-functional teams to support full SDLC following Agile methodology.

LEGATO HEALTH TECHNOLOGIES

Associate Software Engineer

Aug 2021 - May 2022

Hyd, INDIA

- Contributed to full-stack development of web applications using Java, Spring Boot, and React.js.
- Configured CI/CD pipelines using Jenkins, PowerShell, and Shell scripts to streamline deployments.
- Enhanced SQL query performance and monitored system health using custom logging and alerts.

CODINZA

Full Stack Developer Intern

Jan 2019 - Jan 2020

Hyd, INDIA

- Developed projects using Django, SQL, Angular, JavaScript, HTML5, CSS3, PHP, and Bootstrap.
- Built projects using Django, MERN stack, Angular, PHP
- Integrated OAuth and tested APIs using Postman

EDUCATION

UNIVERSITY OF NORTH CAROLINA

Master's, computer science

Aug 2022 - May 2024

- **GPA:** 3.8/4.0

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

Bachelor's, computer science

Aug 2017 - Jul 2021

ACADEMIC PROJECTS

E-COMMERCE PLATFORM

University of North Carolina- Java, Spring Boot, React.js, MySQL

Jan 2024 - Apr 2024

- Developed an end-to-end e-commerce platform with secure login, cart management, and payment integration
- Implemented responsive UI and efficient backend logic to enhance user experience

DRIVER SAFETY DETECTION USING OPENCV

University of North Carolina- Python, OpenCV, Dlib, NumPy

Sep 2023 - Dec 2023

- Built a real-time computer vision system to detect driver drowsiness and trigger alert mechanisms
- Integrated facial landmark detection to monitor eye movement and facial patterns
- Automated emergency alert to contacts upon drowsiness detection, enhancing road safety

CERTIFICATIONS

- Java Programming – Oracle
- AWS Cloud Practitioner – Amazon