ALEKYA NARNE

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🌐 Portfolio Website

Technical Skills

Programming Languages : Java, Python, JavaScript **Backend Dev:** Spring Boot, Django, Node.js **Frontend Dev:** Angular, ReactJS **DBMS:** MySQL, PostgreSQL, MongoDB, DBeaver, Stata **DevOps and Deployment:** Docker, Kubernetes, RestAPI, Jenkins, Maven **Cloud:** Amazon Web Services(AWS)(EC2, S3, Lambda, EKS, LightSail, Lex, DynamoDB, RDS) **Version Control and Testing:** Git, Postman **OSs and IDEs:** Linux/Ubuntu, IntelliJ IDEA, Visual Studio Code

Soft Skills : Communication, Management, Problem Solving, Leadership

Experience

Beunec — **November 2024 – Present**
Software Engineer — *Marlton, NJ*

- **Architected and developed** the backend infrastructure for a scalable recruitment platform using **Spring Boot, MongoDB, and RESTful APIs**. Built and executed extensive **integration tests** using **Postman and JUnit** to ensure system stability, reliability, and scalability.
- **Designed** a robust **database schema**, created a detailed **site map** for application flow, and continuously refined backend architecture based on evolving business requirements through close **collaboration** with stakeholders.
- **Supervised** and mentored a **cybersecurity intern**, ensuring the implementation of **secure coding practices** and aligning security protocols with broader system architecture and organizational standards.

Cantonica — **September 2024 – December 2024**
Software Engineer Trainee — *New York, NY*

- **Developing backend systems** with a focus on scalable architecture and optimized database performance, grounded in clear requirements analysis and schema planning.
- Designed and implemented a **MongoDB database** schema, translating stakeholder needs into a robust, efficient data model through collaborative planning and precise execution.

Aptdata Solutions Inc — **May 2023 – July 2023**
Software Developer - Intern — *Detroit, MI*

- Assisted in **API testing** and **integration using Postman** to ensure seamless frontend-backend communication.
- Wrote and maintained **unit and integration tests** with **JUnit and Mockito** to enhance CRUD reliability in Spring Boot applications.
- Supported **backend development** and troubleshooting efforts while gaining hands-on **Agile experience**.
- **Collaborated** with sales and marketing teams to translate business needs into functional backend features.

Projects

Daily Planner for Women with Neurodivergence | *Spring Boot, PostgreSQL, RestAPIs, Postman, Docker*

- Designing and developing a web application using **Spring Boot** for backend services, **PostgreSQL** for data storage, and **AWS Cloud** for hosting and deployment.
- Conducting ongoing research on how ADHD manifests differently in women compared to men, to ensure the product is informed by real user needs and addresses underserved experiences.

Effects of Boy Child Preference in Indian Mothers | *AWS EC2, AWS Figma, AWS LightSail, Streamlit, Stata*

- Developed an **interactive web application** using Streamlit, integrating a **machine learning model** trained on a large dataset to provide real-time, user-controlled input adjustments.

Education

Rutgers University
Master of Science in Computer Science (CS) — *New Jersey, USA*
Extracurricular: *Graduate Assistant for Academic Advising Office*

BVRIT Hyderabad College of Engineering for Women
Bachelor of Technology in Computer Science and Computer Engineering (CSE)) — *Hyderabad, India*
Extracurricular: *Lead, Facebook Developer Circles; Lead, Department Technical Association; Vice Captain, Go-Kart Team; Member, Association for Computing Machinery(ACM); Member, National Service Scheme(NSS)*

Honors/Certification/Achievements

Dean's Meritious Fellowship

Amazon Web Services Certified Cloud Practitioner