

Meghana Alaparthys

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Professional Summary

Software Developer (SDE III) with hands-on experience designing and shipping scalable web applications, microservices, and CI/CD automation. Strong background in backend development, DevOps practices, and data-driven problem solving. Proven ability to lead feature delivery, improve system reliability, and mentor peers. Seeking roles in high-scale engineering teams (platform, backend, or infra)

Technical Skills

Languages: C, Python, Java (core & advanced), C#, JavaScript, TypeScript, PHP

Frameworks & Web: React, HTML/CSS, RESTful APIs

Cloud & DevOps: CI/CD, Docker, Kubernetes concepts, Azure, AWS Services

Data & ML: Data Structures, Databases, Machine Learning, NLTK

Other: Cybersecurity fundamentals, Software Engineering best practices

Work Experience

Paycom — Dallas, TX

Software Developer III (Jan '25 – Present) | Software Developer II (Jan '24 – Dec '24) | Software Developer Intern (May '23 – Aug '23)

- Designed and implemented modular microservices for employee management (onboarding, role management, reporting), improving maintainability and enabling faster feature rollout.
- Engineered and delivered scalable HR and Payroll service modules using C#, React, and SQL, optimizing backend architecture and external integrations to support seamless data flow across Paycom's enterprise ecosystem.
- Streamlined deployment workflows by enhancing CI/CD automation, Dockerized microservices, and partnering with QA and Application Support to ensure 99% production stability across releases.
- Collaborated cross-functionally with product managers, client teams, and internal stakeholders to clarify specs, implement client-specific enhancements, and deliver high-quality software aligned with HCM industry standards.
- Developed and refined RESTful backend services, improved API reliability and performance, and collaborated cross-functionally to ship features end-to-end.
- Built a full-stack employee directory web app during internship that included hierarchical org-chart visualizations and streamlined UI workflows.

The University of Oklahoma, Norman

Graduate Teaching Assistant

Aug'22 – May'23 and Aug'23 – Dec '23

- Assisted in teaching undergraduate courses: "Introduction to Programming for Non-Programmers" and "Introduction to Programming for Programmers."
- Conducted lab sessions, graded assignments, and provided one-on-one support to over 100 students each semester.

Intellect Design Arena Ltd., Hyderabad, India

Fabric Platform Intern

May'19 – July'19

Worked on Service Fabric using Azure Services Platform to manage microservice applications.

Projects

Redactor for Text Data

Feb'23 – Apr'23

Developed a redactor using NLTK in python that accepts plain text documents, detects sensitive items (names, genders, contact numbers) and redacts them.

Multicast Broadcast using UDP

Oct'22 – Nov'22

Developed a networking application by implementing a multicast server and a client in C language that implements a version of multicasting.

Predicting the Popularity and Success of Songs using ML

Jan '21 - May '21

Developed a Machine Learning model with an accuracy of 91% and predicted that the total number of followers of the artist in Spotify is the main feature that influences a song to become a hit.

Online Law System

July'20 – Dec'20

Developed a web based application where people can register to search/identify the law and lawyer to report the case.

Education and Achievements

Masters of Science in Computer Science from The University of Oklahoma (OU), Norman, Oklahoma CGPA: 4.0, Dec '23

- ❖ **Logical and analytical Thinking:** Completed all the puzzles at puzzle day by Harvard CS50 in a group.

Bachelor of Technology in Computer Science Engineering, Shiv Nadar University (SNU), Noida, India, July'21

- ❖ **Yoga:** Women National Yogasanas Championship, Winner in several district and state yoga competitions.
- ❖ **Leadership:** Hostel Representative, Shiv Nadar University. (2017-2019)