Ajinkya Tupkar Jain

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Summary

Engineering Leader with 8+ years of experience driving scalable systems, leading cross-functional teams, and delivering enterprise-grade cloud solutions. Demonstrated success in both startup and enterprise environments. Committed to driving technical excellence and growing resilient engineering teams.

Experience

Lead Engineer

Arcesium India Pvt Ltd   *December '21 – Present*

- Led multiple high-performing teams (4–8 engineers) to deliver robust, scalable systems in a fast-paced agile environment.
- Owned end-to-end execution of client facing projects including planning, solution design, execution, delivery, and maintenance of projects.
- Led development of AI-powered support agents using AWS Bedrock and LangGraph, reducing developer support workload by 50%.
- Designed and implemented centralized GitLab CI/CD templates to streamline deployment pipelines for the entire department. This also contributed to improved developer productivity by eliminating repeated efforts to create CI/CD pipelines for each new project.
- Designed and implemented optimized data pipelines for processing 5 million records daily using python, spark, and delta lake.
- Tech stack includes **Python, Spark, AsyncIO, Argo, Kubernetes, LangGraph, AWS(Bedrock, SQS, SNS, S3,)**

Senior Software Engineer

Deepen AI, Arcsine Software Pvt Ltd   *December '18 – November '21*

- Joined as 4th Software Engineer in this bootstrapped start up as part of the 5 member engineering team. Worked on multiple software engineering dimensions to transition the product from 10 daily active users to 1k+ daily active users.
- Led an 8-member engineering team to deliver on an evolving product roadmap while meeting dynamic client needs. Particularly, owned entire backend, data ingestion, devops and release activities .
- Revamped the existing Angular web application to a robust and scalable one using React and Redux based frontend.
- Maintained the entire cloud infrastructure for the web application ensuring reliability and scalability.
- Shaped engineering culture and hiring practices, leading to 3x team growth.
- Tech stack includes **ReactJs, Redux-Saga, Python, Django, Angular, Apache, Nginx, Docker, Kubernetes, Google Cloud Platform, OpenShift**.

Software Engineer

Optum, A UnitedHealth Group Company   *July '16 – November '18*

- Majorly worked on transition of the organizations' role based provisioning application from legacy monolith services to Spring Boot microservices deployed via Docker and Kubernetes on OpenShift.
- Transitioned the mentioned application from Java Server Pages to a revamped Angular 4 UI.
- Tech stack included **Spring Boot, Angular 4, Maven, Redis, SQL, Tomcat, Wildfly, JSP, Openshift**.

Skills

- Languages: Python, Java, JavaScript
- Frameworks: Spring Boot, Django, React, Redux
- DevOps: GitLab CI/CD, Jenkins, Docker, Kubernetes, Argo
- Cloud: AWS (S3, Bedrock, SQS), GCP, OpenShift
- Data: Spark, Delta Lake, Redis, SQL, MOngoDB
- Tools: Git, ELK, LangGraph

Education

Indian Institute of Technology Gandhinagar   Gandhinagar, Gujarat, India
    B.Tech. in Electrical Engineering with Minor in Computer Science, *CGPA: 8.36*   *July '12 – May '16*

St. Arnold's Hr. Sec. School   Indore, MP, India
    Senior Secondary (AISSCE, CBSE), *Percentage: 91%*   *April '11*
    Secondary (AISSE, CBSE), *Percentage: 92%*   *April '09*

Leadership and Contribution

- Providing Engineering Leadership by owning multiple technical initiatives within Arcesium. Took ownership for multiple migration projects to adapt to evolving technologies.
- Contributing to hiring and training initiatives within the company. Expanded Deepen AI engineering team from 5 to 15 by leading structured hiring processes.
- Actively involved in volunteering and participating in all company events involving sports, CSR and any other event.