

CHANDRAMOULI VITTAL

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SUMMARY

Three plus years in tech and now pursuing a Master's in Computer Science. Contributed to live-streaming and AWS projects; now an on-campus dev at Prudential, looking for a summer internship.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++

Web Development: JavaScript, HTML5, CSS

Data and Cloud: Amazon Web Service (EC2, Cloud9, ECS), Oracle Cloud Infrastructure (OCI), PostgresDB, SQL

Tools, Framework and Platforms: REST Services, AKKA Toolkit, Spring MVC, Play Framework, Docker, RabbitMQ, NodeJS, GitLab, Linux, bash scripting, Microsoft Office, Puppeteer, HDFS, JIRA, Jenkins

INDUSTRY EXPERIENCE

Software Developer - Prudential Financial | NJIT On-Campus Role, Newark

February 2024 – Present

- Java Application Server

- Assisting the team with the conversion of legacy Java Liferay code and creating portlets using Liferay Portal
- Utilizing Jenkins CI/CD pipeline for efficient deployment and integration processes

Software Engineer - Zoho Corporation, Chennai, India

December 2019 - July 2023

- Java Application Server

- Developed java application server to function as messaging server and master to other components, managing an average of thousands of messages daily to support video conferencing and live streaming
- **Achieved 70% latency reduction** by implementing a dynamic CDN server hosting feature with Java and AWS EC2, optimizing user data parsing for peak performance
- Developed a feature for live video conference recording, storing data on an upload-download server and integrating MemCache storage for faster retrieval and efficient processing

- Amazon Web Service (AWS)

- Deployed an automated pipeline for initializing and deploying Java applications on cloud using EC2 templates and images
- **Eliminated manual processes by 90%** through the construction of an automated solution on AWS EC2 to assess server scalability during video conferences with thousands of concurrent users

- Node JS

- Built a streamlined node server, procuring data from headless browser to generate recording of the session
- Implemented automated testing scripts in JavaScript to ensure optimal webpage performance

- Recording

- Automated data recording processes using bash script, resulting in minimized flow interruptions

- Team collaboration and leadership

- Collaborated with cross-functional teams to seamlessly integrate efforts
- Led development, maintenance, and deployment of multiple micro-services utilizing REST APIs using version control software GitLab
- Brainstormed technical solutions with my team lead to overcome the architecture difficulties
- Guided and mentored interns while assisting in debugging production-related issues

Project Trainee

- Implemented client-side UI enhancements using vanilla JavaScript that resulted in a **25% increase in user session durations** and **positive feedback from 90% of beta testers**

- Designed and tested a master-slave architecture in HDFS, incorporating encryption via the Key Management Server

EDUCATION

New Jersey Institute of Technology

Master of Science, Computer Science

May 2025

GPA – 4.0

SASTRA University

Bachelor of Technology, Information Technology

May 2020