OJASAVA PARAS

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WORK EXPERIENCE

Audible, Inc.   **Newark, NJ**
Software Development Engineer   *August 2022 - Present*
- Spearheaded region flex migration for multiregion **Audible EU** marketplace and launched core services in **Spain** and **France** as a company-wide effort to reduce infrastructure cost by **40%** and increase availability in Southwestern Europe.
- Proposed and developed a first-of-its-kind project integrating **Hydra Load Testing** into the **MAWS/LPT** pipeline using **AWS CDK**, enabling scalable load test execution and laying the foundation for org-wide adoption of performance testing in **CI/CD**.
- Reduced onboarding time by **50%** for **NAWS TPS** Generator by automating infrastructure setup and CDK deployment, enabling **20+ internal teams** to prepare seamlessly for **GameDays (Prime Day simulations)** and incident simulations, significantly reducing maintenance effort.
- Created and launched a new **Fortify** pipeline to support TypeScript-based services, enabling dashboard visibility for **25+ previously unsupported services** and enhancing security audit coverage by **35%**.
- Integrated **Audible Needle** framework with **Luminos** for the QA team, enabling improved testing using **Hydra**.

Zyyo   **New York, NY**
Software Engineer   *February 2021 – July 2022*
- Developed **Zyyo Admin**, a cluster of microservices to manage data and users across the website which increased the efficiency of employees and introduced seamless data imports/exports.
- Implemented an Automation System to import data from investment models to the Zyyo portal website integrated using **React** and **Express JS** framework and migrated data from **PostgreSQL** to **MongoDB** which increased website load time by **60%**.
- Strategized and set up a **CI/CD pipeline** for automatic build and deployment using **Jenkins CI** and **Git**. Implemented a staging environment using **AWS Linux EC2** Instance and configured **NGINX** server to serve an API and front-end on requested port.
- Migrated our architecture to **Microservice architecture** and containerized independent services using **Docker**.
- Implemented an autonomous emailing service by integrating **Sendgrid API** with our **Express JS** framework.

Moodbit   **New York, NY**
Software Engineer   *June 2020 - January 2021*
- Developed apps and bots on **Microsoft Teams** using the technology stack like **React** and **Node JS**.
- Administered the deployment of these apps on Teams while running the server on **Glitch**.
- Maintained a database using **SQL** and built a sentiment analysis model on **AWS Sagemaker** using NLP and Word Clouds.

PROJECTS

Deep Bridge Bidding, *New York University*   *March 2020 - May 2020*
- Deep Bridge Bidding is a **reinforcement learning-based model**, trained on over a million gameplay samples, that predicts optimal bids in the Bridge card game with **83%** accuracy.

Performance Tracker, *New York University*   *January 2020 - March 2020*
- Deployed a **Convolutional Neural Network** model trained on HR data to predict employee performance over time with **77%** accuracy.

EDUCATION

New York University   **New York, NY**
Master of Science in Computer Science   *May 2020*
- Relevant Coursework: Advanced Algorithms, Deep Learning, Computer Vision, Artificial Intelligence

Vellore Institute of Technology   **Chennai, India**
Bachelor of Technology in Computer Science   *May 2018*
- Relevant Coursework: Design and Analysis of Algorithms, Database Systems, Object Oriented Programming

SOFTWARE SKILLS

Programming Languages	: Python, TypeScript, Java, C/C++, SQL, JavaScript, Go, Prolog, GraphQL
Web Technologies	: Node JS, React, SASS/CSS, Ajax, WebSphere, JBoss, JSP, SendGrid, RESTful API
Frameworks/Lib	: Django, TensorFlow, PyTorch, PySpark, NGINX, Hibernate, JUnit, TestNG, Coral
AWS/Cloud Services	: EC2, Fargate, Lambda, ECS, CloudFront, VPC, CloudWatch, Compute Engine, Hydra
Database Services	: MongoDB, PostgreSQL, AWS S3, Hasura, RDS Aurora, DynamoDB, Elasticsearch
Cloud Platform	: Amazon Web Services (AWS), Glitch, Heroku, MongoDB ATLAS