OJASAVA PARAS

New York, NY · 929-503-4604 · ojasavaparas@gmail.com · LinkedIn · GitHub · Portfolio

SKILLS

Languages: Python, TypeScript, Java, Go, SQL, GraphQL
Cloud & Infra: AWS (Lambda, Fargate, ECS, CDK, DynamoDB, Aurora), GCP, Kafka, Spark, Docker, Kubernetes
Frameworks & Data: Node.js, React, PostgreSQL, MongoDB, Elasticsearch, Jenkins, Git, Hydra
Testing & Monitoring: Hydra, Luminos, Fortify, CloudWatch, Jest, load testing, SAST

EXPERIENCE

Audible (Amazon), Software Development Engineer, Core Infrastructure, Newark, NJ   Aug 2022 - Present

- Led architecture and execution of a **multi-region AWS service migration** for the EU marketplace, authoring the design doc, driving cross-team reviews, and owning roll-out through production. Launched services in AWS servers Spain (**ZAZ**) and Germany (**FRA**), cutting infra costs **40%** and improving availability to **99.95%** of south and west Europe.
- Identified gaps in pre-release performance validation and led the design and shipping of an org-wide **Hydra Load Testing** integration into CI/CD using AWS CDK. Enabled 50+ services to run automated load tests, reducing pre-release testing time by **60%** and validating P99 latency under **200ms**.
- Owned **NAWS TPS Generator** end-to-end, from design to production. Automated infra setup for 20+ teams (100+ engineers). Cut onboarding from **2 weeks to 3 days**. Critical for **GameDay** simulations (Prime Day scale: **5M+ req/min**).
- Architected **Fortify SAST pipeline** for TypeScript services, driving design with security team. Expanded vulnerability scanning, reducing security review cycles by **35%** and covering **95%** Audible services to **Fortify Dashboards**.
- Integrated **Audible Needle framework** with **Luminos** testing platform, enabling QA team to run automated integration and load tests via **Hydra**. Reduced manual QA cycles by **40%**.
- Mentored new SDE I through onboarding, ramped to first production deploy in 3 weeks.
- On-call rotation for critical services, triaging incidents and resolving customer-impacting production issues.

Stack: TypeScript, AWS CDK, Fargate, Lambda, DynamoDB, CloudWatch, Hydra, Fortify, Luminos

Zyyo, Software Engineer, Platform, New York, NY   Feb 2021 - Jul 2022

- Rearchitected **monolith to microservices**, driving design and implementation and containerizing **8+ services** with Docker. Set up CI/CD with Jenkins, staging on AWS EC2, NGINX for routing. Deployment time: **2 hours to 18 minutes**.
- Created **Zyyo Admin**, a cluster of microservices to manage data and users across the platform, enabling faster data imports/exports for internal teams.
- Developed **data automation system** for investment data imports (React, Express). Migrated database from PostgreSQL to MongoDB, cut page load time by **60% (3s to 1.2s)**.
- Implemented autonomous email notification service using **SendGrid API** integrated with Express backend, handling **10k+** transactional emails/month.
- Mentored summer intern through full project lifecycle, from requirements to production deployment.

Stack: Node.js, React, Express, Docker, Jenkins, PostgreSQL, MongoDB, AWS EC2, NGINX

Moodbit, Software Engineer, New York, NY   Jun 2020 - Jan 2021

- Built Microsoft Teams apps for Moodbit on React/NodeJS, owned full deployment lifecycle on **Glitch** for employee wellness platform serving **5K+ users**.
- Developed NLP **Sentiment Analysis** model on AWS to analyze employee feedback and wellness insights for HR Teams.
- Designed and maintained SQL database schema for user analytics using **word-cloud visualization** for sentiment trends.

Stack: React, Node.js, AWS SageMaker, SQL, Microsoft Teams API

PROJECTS

Deep Bridge Bidding - Reinforcement learning model trained on 1M+ gameplay samples for optimal Bridge card game bidding. Achieved 83% prediction accuracy using policy gradient methods.
Performance Tracker - Convolutional Neural Network model trained on HR data to predict employee performance trajectories. 77% accuracy using TensorFlow and Keras.

EDUCATION

New York University, MS Computer Science, New York, NY   May 2020
Coursework: Advanced Algorithms, Deep Learning, Computer Vision, Artificial Intelligence

Vellore Institute of Technology, BTech Computer Science, Chennai, India   May 2018
Coursework: Design and Analysis of Algorithms, Database Systems, Object Oriented Programming