PUNEETH SAI TUMBALABEEDU

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SUMMARY

- **US Citizen** – Full employment eligibility, no sponsorship required.
- **Full Stack Developer** with 2+ years of experience at startups, building scalable web applications (React, Node.js, Java, Python, AWS, microservices) serving **1M+ users**.
- Proven ability to **improve performance (3s → 80ms)**, **mentor junior developers**, and resolve **critical production issues** rapidly.

PROFESSIONAL EXPERIENCE

Edfora   JUL 2023 – FEB 2025
Software Engineer
- Architected and implemented **report generation with Amazon SQS**, improving retrieval speed by **55%** — designed asynchronous processing and modular service integration to reduce API load and enhance scalability.
- **Processed 500k+ student records to surface peer improvement journeys**, enabling personalized dashboards that drove a **~15–20% uplift in admissions**.
- **Integrated Zoom link creation into workflows**, reducing setup time and enabling 10k+ students and 1k+ teachers to seamlessly access live classes.
- Reduced **analytics API latency from 3s to 80ms** by moving real-time calculations to scheduled batch processes — leveraged background workers, cron jobs, and caching for **200K+ active users**.
- Spearheaded **user journey mapping & behavioral tracking**, boosting engagement by **25%**.
- Developed a **React + Redux task management module** (creation, tracking, notifications), increasing engagement by **35%**.

Wilya   MAR 2023 – MAY 2023
Software Engineering Intern
- Built and launched a **React + Storybook design system**, cutting UI development time by **40%** and ensuring consistency across **50+ reusable components**.

Centime Inc   MAY 2022 – JUL 2022
Software Engineering Intern
- Developed and deployed a **Java Spring Boot microservice** integrating configurable metadata, resolving **100+ user data analysis issues** and streamlining backend workflows.

EDUCATION

International Institute of Information Technology, Hyderabad   JUN 2019 - MAY 2023
Bachelors in Technology , Computer Science
- Led and mentored a 4-member team to build a golden-hit based benchmarking system, cutting assessment time by **70%** while ensuring accuracy.
- Developed platform with **2 user roles and 10+ APIs**, enabling recruiters to post jobs and applicants to apply, supporting **50 concurrent users**.
- Implemented a bash-like shell with **15+ commands, I/O redirection, piping, and signal handling** using POSIX system calls.
- Built a **BFS-based maze generator with solvable paths** and keyboard-controlled gameplay.

SKILLS

Languages: Java, C++, Python, JavaScript (ES6+), TypeScript, Bash
Backend: Node.js, Express.js, FastAPI, REST APIs, Microservices
Frontend: React, Redux, HTML5, CSS3
Databases: MySQL, PostgreSQL, MongoDB, Redis, Elasticsearch
Cloud & DevOps: AWS (EC2, S3, SQS), Docker, Kubernetes, Jenkins, CI/CD, Git