

PHONE: 8500339965

EMAIL: anuroop126@gmail.com

PORTFOLIO : www.aghilmort.com

LINKEDIN : www.linkedin.com/in/anurooppendela/

ANUROOP PENDELA

EXPERIENCE

Thinkhat.ai, Hyderabad – Lead Software Engineer

March 2025 – now

- **Lead the team through technical mentorship, code reviews, and by fostering a learning culture**, including organizing "AI Anatomy" seminars and tech talks to boost team spirit and keep skills sharp.
- **Led technical direction and team mentorship**, conducting code reviews, 1:1 sessions, and guiding architectural decisions for cost-effective cloud solutions.
- **Architected and developed a real-time notification system** using **Firestore** for live updates and a cloud job-based cleaner, optimizing historical data storage in **PostgreSQL**.
- **Designed and implemented a scalable multi-tenant management module** to automate new tenant onboarding, including dynamic PostgreSQL database creation, Hasura instance provisioning, user privilege setup, and centralized tenant tracking.
- **Engineered an internal Job Management Framework** featuring a **JSON-configurable job orchestrator**, with defined steps and handlers, to reliably execute and manage complex background processes like tenant setup.
- **Led scaling and performance optimization**, identifying bottlenecks in a microservice architecture and increasing success rates from **44% to 95%** through targeted configuration and scaling changes.

Microsoft, Hyderabad – SDE 1

April 2022 – March 2025

- Developed **high-performance, scalable React components** in cutting **load times by 50-60% (from 5-7s to 2-3s)**, with **80%+ unit test coverage** to ensure long-term maintainability and reliability.
- Designed and implemented a dynamic SKU selection module for Azure quota requests, **optimizing data flow for 300+ items using Redux reducers** and static **caching—reducing API calls by 70% and user selection time by 50%**.
- Worked within a **microservices-based architecture**, building modular components and contributing to feature design, planning, development, and deployment across hybrid cloud services.
- Led **resolution of 500+ critical Microsoft Service 360 (S360) issues**, coordinating cross-org efforts with Azure and Office 365 teams. Mentored junior engineers, **improved SLA compliance, and increased platform reliability to 99.95%**.
- Built an **automated CI/CD pipeline for Azure SDK upgrades**, replacing a recurring 1-day manual task with a fully automated process that intelligently resolves version mismatches and generates PRs—saving over 12 engineering days per year.
- Implemented **accessibility enhancements**, remediating 25+ WCAG 2.1 AA issues and improving Lighthouse accessibility scores from 70 to 95+.
- Engineered **Azure Data Factory (ADF) pipelines to collect and transform telemetry data**, storing results in **Cosmos DB** for analytical querying and insights, leveraging **NoSQL architecture** at scale.

- Reviewed pull requests and upheld best practices across the SDLC, providing feedback to ensure code quality, scalability, and consistency.
- Facilitated cross-functional collaboration through knowledge-sharing sessions and onboarding support, promoting team growth and operational autonomy.
- Guided Resource Providers (RP) onboarding flows, creating a streamlined and scalable two-click experience for users within the Azure ecosystem.

Woundtech, Hyderabad – Fullstack Engineer

NOVEMBER 2020 – APRIL 2022

- Took end-to-end ownership of feature development using TypeScript, React, and Node.js, including component architecture, GraphQL API design, and database querying in a microservices-style architecture.
- Developed and optimized the wound healing trajectory feature by aggregating historical clinical data, implementing GraphQL APIs, and integrating interactive visualizations in the UI.
- Improved FHIR-based GraphQL performance by 70% using query batching, response caching, persisted queries, and dataloader patterns—boosting API throughput 3x.
- Championed code quality with 80%+ test coverage, identifying 15+ critical defects pre-release and reducing production incidents by 35% through targeted testing and refactoring.
- Mentored new team members, led onboarding sessions, and collaborated with Scrum Masters to align on delivery expectations and business outcomes.
- Enhanced maintainability and performance across components through modular design, print-optimized templates (Handlebars), and scalable CSS improvements for clinical document rendering.
- Actively contributed to peer code reviews and architectural discussions, ensuring reusability, security, and long-term scalability across the codebase.

Techforce.ai, Hyderabad – Product Engineer

APRIL 2019 – NOVEMBER 2020

- Designed solutions and maintained technical responsibility for project delivery.
- Developed and documented best practices, contributing to team training and professional development efforts.
- Analyzed existing code, wrote new code, tested, debugged, and provided production support.
- Redesigned database schema, including applying normalization to tables and enabling constraints where needed.
- Implemented file transfer across remote machines as part of an automation tool using JavaScript.
- Drove the team towards customer satisfaction by analyzing problems and designing feasible solutions.
- Formulated image detection and OCR automations using Python.
- Upgraded web automation in the product and stabilized it using Batch scripts and JavaScript.
- Developed UI components for most of the products using ReactJS.
- As part of the SAAS platform, implemented encrypted sharing of sensitive data.
- Continued deployment and feature enhancements.

Bizacuity, Hyderabad – Software Engineering

NOVEMBER 2017 – MARCH 2019

- Served as the liaison between customers and internal technical teams, effectively communicating with peers, users, testers, and supervisors to ensure timely project completion.
- Led the development of code and integrated complex software components into fully functional software systems.
- Provided technical leadership for software projects and managed software supplier activities.

- **Trained and mentored team members**, sharing knowledge and promoting professional growth.
- Contributed as a **full-stack developer** to a **data visualization, performance tracking, and forecasting application** for private fund management.
- **Designed the API layer** for the serving stack using the **Django framework** to implement APIs.
- **Designed and implemented authentication and authorization modules**, supporting concurrent access for multiple fund managers with private views.
- Implemented a **feed system** to ingest CSV, XML files, and data from partner feed systems.
- **Architected the UI layer** for the application and led the team in implementing **component-level update/refresh features**.
- **Developed API using Kafka** for B2B supply chain management back-end systems, connecting suppliers and businesses.
- Created a **live-updating visualization**.

Gramener, Hyderabad – Visualization Developer Trainee

JUNE 2017 – NOVEMBER 2017

- **Collaborated with cross-functional teams** to deliver data applications that met business requirements.
- Conducted **bug triage** with the QA team and peer developers.
- Adhered to **best practices in software development**, including **code versioning**, programming language standards like **PEP8** and **ESLint**, and **continuous integration and continuous deployment (CI/CD)**.
- **Developed visualizations** for analyzing bot activities in an RPA project.
- Utilized a combination of **D3** and **jQuery** to implement interactive visualizations and component-level updates.
- Extracted data from the database using **SQL queries**, which included some **analytics functions** based on requirements.
- **Developed APIs** to serve data to visualizations using a **Python-based internal tool**.

EDUCATION

IIIT Hyderabad – MSIT

JUNE 2015 – JUNE 2017, Hyderabad

Branch: Information Technology

Score: 83%

GITAM University – B.Tech

JUNE 2010 – JUNE 2014, Visakhapatnam

Branch: Computer Science Engineering

Score: 73%

SKILLSET

- **Languages:** TypeScript, JavaScript, Python, C#, SQL
- **Frontend:** React.js, Next.js, Tailwind CSS, jQuery, AJAX
- **Backend:** Node.js, Express.js, GraphQL, .NET (C#), Django, Flask
- **Databases:** PostgreSQL, Cosmos DB, Redis, Firebase Realtime DB, ElasticSearch
- **Cloud & Infrastructure:** Azure (ADF, Functions, DevOps), Google Cloud (Cloud Jobs, Functions, Pub/Sub), Hasura
- **DevOps & CI/CD:** Azure DevOps, GitHub Actions

- **Architecture:** Microservices, Event-driven systems, Multi-tenant SaaS, Serverless