

# Likhith Peddireddy

Full Stack Engineer · *Automation & Microservices Specialist*

Tirupati, Andhra Pradesh, India • +91 7330190931 • likhith888@gmail.com

---

## Contact

**Email:** likhith888@gmail.com

**Phone:** +91 7330190931

**Location:** Tirupati, Andhra Pradesh, India

## Technical Stack

- **Languages:** Java, Python, JavaScript, SQL, C++
- **Backend:** Java Spring Boot Microservices, Python FASTAPI, REST full services
- **Frontend:** React, Redux, Tailwind CSS
- **Data:** Pandas, NumPy, MongoDB, MySQL, PostgreSQL
- **DevOps:** Docker, Kubernetes, CI/CD, Grafana, Kafka
- **Automation:** Selenium, Playwright

## Strengths

- Automation-first mindset
- Data-driven decisioning
- Scalable microservice design
- Rapid prototyping delivery
- Cross-team collaboration

## Education

**B.Tech — Computer Science & Engineering** *Tirupati*

– *Graduated 2020*

*Sri Venkateswara College of Engineering (JNTUA)*

## Professional Summary

Full Stack Engineer with 5+ years of experience delivering production-grade systems across Java Spring Boot microservices, Python automation pipelines, and React-based front-end applications. Skilled at architecting ETL solutions, building observability-focused dashboards, and delivering automation that reduces manual work and improves decision speed. Strong track record delivering business outcomes for enterprise customers such as Verizon and Comcast.

## Key Achievements

- Built and maintained 11+ production automation tools that extract, transform and summarize operational data, reducing manual effort across teams.
- Migrated monolithic MVC apps to modular React + Spring Boot microservices, improving load times and developer velocity.
- Designed dashboards and alerting systems used by leadership to track SLA and operational metrics in real-time.
- Implemented log-extraction summarization utilities that reduced triage time by 60% for key support flows.
- Led automation that reduced manual reporting time by 60% at Global-Foundries during internship.

## Technical Competencies (Synopsis)

- **Microservices & Architecture:** Spring Boot, RESTful API design, service decomposition, circuit-breakers, client-side caching strategies.
- **Data Engineering:** ETL pipelines (Pandas, custom workers), stream aggregation, log parsing, summary generators.
- **Frontend Engineering:** Component-driven React apps, performance tuning (memoization, virtualized lists), advanced hooks & state patterns.
- **Automation & Testing:** Selenium & Playwright automation, integration testing, CI-driven QA.

## Awards

**AICTE Chattru Vishwakarma Award – 2018** — Awarded by the Vice President of India for rural innovation.

## Professional Experience (Detailed)

### Software Engineer — Associate

Nov 2020 – Present

*Cognizant Technology Solutions (Clients: Verizon, Comcast)*

**Problem:** Multiple legacy reporting and triage systems were manual, slow, and siloed.

**Approach:** Implemented Python ETL pipelines and Spring Boot microservices to automate reporting and centralize data.

#### What I Built:

- Designed REST microservices for ingestion, enrichment, and analytics APIs.
- Built 11+ FastAPI automation tools for extraction, Pandas transformations, summarization, and storage.
- Implemented React dashboards with drilldowns, filters, and workflow visualization.

#### Impact:

- Reduced manual triage/reporting time by 60%.
- Improved reliability and data freshness across monitoring systems.

**Tech Stack:** Java, Spring Boot, Python, FastAPI, Pandas, React, Docker, K8s, Grafana.

### Developer Intern

Apr 2020 – Oct 2020

*GlobalFoundries*

- Built Java microservices for production tracking.
- Created automated reporting pipelines reducing manual time by 60%.
- Improved data reliability through API integrations.

## Expertise & Projects

### Automation Portfolio (Selected)

- Automated Metrics Aggregator (FastAPI + Pandas)
- Error Drilldown Generator (Spring Boot)
- Web Scrape ETL Integrator (Python)
- NLTK-based Knowledge Assistant
- Automated PDF Report Engine
- Selenium/Playwright regression harness

### Microservices & Architecture Notes

- Bounded context-based decomposition.
- Event-driven patterns and caching strategies.
- Monitoring: Prometheus, Grafana.

### React & Frontend Expertise

- Hooks, memoization, debouncing, and virtualized lists.

- Atomic design and component libraries.
- Accessibility-first dashboards.

### Python & Data Engineering Expertise

- Vectorized Pandas ETL, async ingestion, batching.
- Kafka stream consumers, schema versioning.
- FastAPI deployments in Docker/K8s.

### Highlighted Projects

- IoT Automated Agriculture & Sericulture System (National Award Winner)
- Exam Management System (Spring Boot + MVC)
- Affordable Bone Conduction Device

### Additional Information

- Languages: English, Hindi, Telugu
- Open to relocation and contract roles
- Available on short notice