

# Jairaj Gogula

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## WORK EXPERIENCE

### Software Engineer - Back end

Mar 2021 - Nov 2022

*Brandie Technologies*

*Stockholm - Remote*

- Revamped backend services with Node.js and Python, achieving 20% faster API response times and scaling infrastructure to support 100k+ concurrent users.
- Designed microservices architecture using Docker/Kubernetes, improving system performance by 30% and enabling zero-downtime deployments through CI/CD pipeline automation.
- Engineered real-time data streaming with Apache Kafka, reducing inter-service latency by 40% and enabling event-driven processing for 50k+ daily transactions.
- Enhanced database performance through PostgreSQL/MongoDB query optimization and indexing strategies, cutting average response times by 25%.
- Secured authentication flows using OAuth2.0/JWT implementation, reducing unauthorized access attempts by 15% across 10+ microservices.

### Technical Account Manager

Dec 2018 - Mar 2021

*Powerschool*

*Remote*

- Built an internal tool using Node.js to automate customer data syncs, reducing manual work by 15 hours/week.
- Debugged and documented 50+ API integration issues, improving client onboarding success rate by 40%.
- Proposed and co-developed feature enhancements to core product API based on feedback from 50+ enterprise clients, resulting in 40% fewer support tickets and 15% faster integration time.
- Advocated for 15+ user-facing feature improvements by translating client pain points into technical requirements.
- Led technical onboarding for 20+ clients, including custom API integrations and performance tuning.

## PROJECTS

### Cloud-Based Face Recognition API | *Python, Flask, TensorFlow, GCP*

Aug 2024 - Present

- Designed REST API handling 500+ concurrent image uploads via Google Cloud Storage, reducing retrieval latency by 40% via CDN caching.
- Deployed GPU-optimized face recognition model (95% LFW accuracy) as containerized micro-service on Cloud Run (50+ req/sec).

### Distributed Task Queue | *Python, FastAPI, Redis, RabbitMQ*

Mar 2024 - Present

- Architected horizontally scalable system handling 1k+ RPM with Redis/RabbitMQ, reducing failed tasks to 0.8% via retry mechanisms.
- Orchestrated Dockerized workers via Kubernetes with 99.95% uptime during load tests.

### Real-Time Analytics Engine | *Go, Kafka, PostgreSQL, AWS*

Feb 2024 - Present

- Processed 5k+ events/sec with Go/Kafka pipeline, fine-tuned PostgreSQL queries to 150ms p99 response.
- Reduced storage costs 65% via AWS Lambda/S3 Glacier data lifecycle automation.

## TECHNICAL SKILLS

**Backend :** RESTful APIs, Microservices, Node.js, Python, Java, Kafka

**Database :** SQL, NoSQL, PostgreSQL, MongoDB

**Cloud :** AWS (EC2, Lambda, S3), Google Cloud Platform (GCP)

**DevOps :** Docker, Agile/Scrum, Kubernetes, CI/CD Pipelines (Jenkins, GitHub Actions)

**Soft Skills :** Leadership, Problem Solving, Cross-functional Collaboration

## CERTIFICATIONS

- Certified ScrumMaster
- Google Associate Cloud Engineer
- Microsoft Certified: Azure Developer Associate

## EDUCATION

**University of Texas at Arlington, Arlington, TX**

*Master of Science in Computer Science*

*Dec 2024*