

# GANGADHAR VARAPRASAD

## SOFTWARE ENGINEER

### CONTACT

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<https://github.com/Gangadhar454>

Andhrapradesh, India

### SKILLS

#### Languages:

- Python
- Javascript & TypeScript
- Html
- CSS

#### Technologies:

- Django
- AWS
- Docker
- PostgreSQL
- Angular
- Git
- FastAPI
- React
- NGINX
- PgBouncer
- Redis
- RabbitMQ

### EDUCATION

- **B.Tech** 2018-2022

IIIT Nuzvid (RGUKT)

Computer Science & Engineering

### LANGUAGES

English 

Hindi 

Telugu 

### PROFILE

I am a Software Engineer with 2+ years of experience, including 1 year 10 months of successful full-time work and a commendable 7-month internship. Skilled in Python, Django, AWS, Docker, PostgreSQL, Redis and Angular etc. Proven track record in full-stack development and collaborating within cross-functional teams. Seeking to contribute expertise and drive innovation in a dynamic role.

### WORK EXPERIENCE

#### Software Developer

Krinati Solutions pvt ltd

June 2022 - Present

- Delivered Business features using Test Driven Development(TDD) , which improved development efficiency and reduced the likelihood of bugs.
- Implemented Angular's lazy loading to improve webpage performance, ensuring efficient loading of user activity in the interactive timeline for an improved user experience.
- Implemented and configured PGBouncer, a lightweight connection pooler for PostgreSQL, which improved database performance and scalability.
- Improved Django service performance by optimizing P99 latency through benchmarking and strategic optimizations, resulting in overall improved server performance .
- Leveraged AWS knowledge in ECS, EC2, S3, RDS, and CodePipeline to upgrade server configurations, successfully resolving issues of abrupt server shutdowns.
- Leveraged FastAPI's asynchronous capabilities which improved the P99 Latency of Bid-Submission API's by 40% compared to Django 3.2.11 .
- Implemented Heatmap of Active bids in React Analytics Grid component with satisfaction score of 92%.
- Improved webpage performance and user experience by optimizing the bid table through the implementation of virtual scrolling.

#### Software Development Intern

Krinati Solutions pvt ltd

Nov 2021 - May 2022

- Implemented Role-Based Access Control (RBAC) to enhance authorization by decoupling roles from UI code and enabling permission-based authorization.
- Enhanced the User Interface by leveraging a solid foundation in the Angular framework, a popular TypeScript-based front-end technology.

### PROJECTS

#### 1. Log Ingestor

Log ingestor system that can efficiently handle vast volumes of log data, and offer a simple interface for querying this data using full-text search or specific field filters.

Check on Github: <https://github.com/Gangadhar454/LogIngestor>

#### 2. Data Pusher

Data Pusher is a web server to receive data into the app server for an account and send it across different platforms (destinations) from that particular account using webhook URLs.

Check on Github: [https://github.com/Gangadhar454/data\\_pusher](https://github.com/Gangadhar454/data_pusher)

#### 3. Chess valid Moves predictor

A web Server that determines the valid moves for a given chess piece on a chessboard

Check on Github: [https://github.com/Gangadhar454/chess\\_board](https://github.com/Gangadhar454/chess_board)