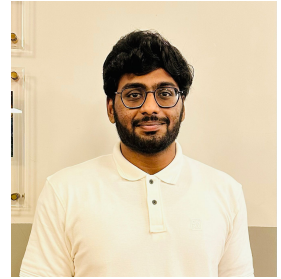


# M VAMSI KRISHNA

Senior Delivery Backend Engineer | Python | SaaS & AI Platforms

@ vamsimataparthi@gmail.com    Bangalore, Karnataka, India    +91 7799004667  
vamsikrishna.pages.dev    ProPegasus



## SUMMARY

Senior Delivery Backend Engineer with 7+ years of experience building scalable SaaS platforms, AI-enabled products, and cloud-native backend systems. Strong expertise in Python, Django, FastAPI, and distributed architectures across AWS and Azure. Delivered multi-tenant authentication and file platforms, led requirement discussions with enterprise stakeholders, and drove engineering quality through reviews, testing, and production-grade API design.

## SKILLS

Languages: Python, JavaScript | Backend: Django, FastAPI, Flask, REST APIs, Microservices

Cloud/DevOps: AWS, Azure, Docker, Kubernetes, Azure DevOps, AWS Lambda, Azure Functions

Datstores/Queues: PostgreSQL, Redis, Relational Databases | Architecture: HLD, LLD, System Design, Multi-tenant SaaS | AI: Agentic AI, OpenAI Integrations, Prompt Engineering, OpenCV

## EXPERIENCE

Senior Delivery Backend Engineer

**Turing**

Sep 2025 - Present

Bangalore, Karnataka

Software Engineer - Senior

**Centific**

Aug 2023 - Aug 2025

Bangalore, Karnataka

Technical Coordinator - Senior

**The Scalers**

Apr 2022 - Aug 2023

Bangalore, Karnataka

Web Developer - Fullstack

**Dharani Projects Pvt. Ltd**

Aug 2018 - Apr 2022

Visakhapatnam, Andhra Pradesh

## CURRENT ROLES & RESPONSIBILITIES

Designing and delivering scalable microservices-based SaaS platforms across cloud-native environments

Architecting backend systems aligned with product and business goals using Python, Django, FastAPI, AWS, and Azure

Leading technical requirement discussions with client and internal stakeholders to define API contracts, architecture, and delivery roadmaps

Driving end-to-end implementation of secure multi-tenant systems with OAuth2.0, JWT, RBAC, and encryption controls

Designing resilient systems for high-throughput workloads (500+ TPS) with asynchronous processing using Celery and Redis

Owning code reviews, mentoring engineers, and enforcing quality through testing, clean design patterns, and maintainable code standards

Contributing to Agile delivery through sprint planning, backlog refinement, estimation, and milestone tracking

## RECENT PROJECTS

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### Turing

#### Google Agents API Simulation Platform

**Python, FastAPI, Pydantic, Redis, Pytest, AI Agents**

 Sep 2025 - Present | Team Size: 6

Led development of simulated real-world service APIs used to train and evaluate LLM agents for production-style tool interactions. Defined strict tool specs, stateful endpoint behavior, and schema-first validation through Pydantic to ensure deterministic and reliable execution. Partnered with Google stakeholders for requirement clarification, led peer reviews, and strengthened regression coverage for service quality.

### Centific

#### Authentication Service (SaaS Product)


**Python, Django, PostgreSQL, OAuth, Redis, Docker**

 Dec 2023 - Aug 2025 | Team Size: 8

Designed and delivered a multi-tenant authentication and authorization platform using Django REST Framework, PostgreSQL, Redis, and Celery on AKS. Implemented OAuth2.0 and JWT flows, RBAC, password policies, and service-to-service authentication with 500+ TPS throughput. Built onboarding APIs/admin workflows adopted by multiple internal and external client integrations, supporting 5M+ users.

#### Upload Service (SaaS Product)

**Django, Azure Blob, AWS S3, FTP, SharePoint, Kubernetes**

 Feb 2024 - Aug 2025 | Team Size: 1 (Individual Contributor)

Built a multi-tenant file management platform with a unified REST API over Azure Blob, AWS S3, and GCP Storage. Implemented chunked and resumable transfers with background processing for high-volume reliability. Added encryption, lifecycle policies, and tenant isolation to improve compliance and simplify cross-cloud file operations for clients.

#### Datamarketplace (Centific Product)

**Python, FastAPI, Redis, Microservices, Cloud Architecture**

 Jan 2025 - Aug 2025 | Team Size: 12

Served as a lead engineer for an enterprise-grade data marketplace delivering validated, large-scale datasets. Designed identity management for user authentication and ecosystem connectivity with annotation platforms such as OneForma and Roboflow. Architected deployment patterns for key microservices and built a custom cross-cloud data transfer solution, backed by a Redis-list queuing mechanism exposed via FastAPI for reliable asynchronous workflows.

#### Pitaya (AI SaaS Product)

**Django, Azure Event Hub, Azure Functions, Microservices**


 Aug 2023 - Jan 2024 | Team Size: 10

Contributed to a multi-tenant AI retail analytics platform that converted existing store cameras into real-time insight and alerting systems. Built backend services in an event-driven architecture using Azure Event Hub and Azure Functions. Collaborated across backend, cloud, and AI teams to deliver scalable analytics and operational dashboards for enterprise retail users.

### The Scalers

#### Feedback Analyzer (AI Automation)

**Python, OpenAI, Google Sheets API, Slack API, AWS Lambda**

 Jan 2023 - Aug 2023 | Team Size: 1 (Individual Contributor)

Built an end-to-end AI feedback analysis workflow using OpenAI APIs to process and evaluate textual feedback. Integrated Google Sheets for real-time updates and Slack for automated notifications and insight delivery. Deployed as a scheduled AWS Lambda solution, reducing manual effort and improving feedback turnaround time.

## Coding Tug of War (Web-Based Game)

**Python, OpenAI, Django, Django REST Framework, JavaScript**

 Jun 2022 - Jan 2023 | Team Size: 2

Developed an interactive two-player coding challenge platform with Django/Django REST Framework and JavaScript. Implemented Redis-backed real-time score/game-state updates for low-latency gameplay. Integrated Sphere Engine for secure multi-language code execution and built a scalable full-stack game workflow.

## FREELANCE PROJECTS

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### Ticket & Payments Manager

**Django, MySQL, HTML, CSS, jQuery, JS**

Built a multi-tenant backend API enabling clients to securely integrate the PhonePe payment gateway from static websites, with transaction tracking and automated email notifications for clients and customers.

### RoK Bot (Game Automation)

**Python, OpenCV, Tkinter, Django, ADB**

Built a subscription-based desktop automation tool in Python/OpenCV for mobile strategy gameplay, integrating with Android emulator instances over ADB and supporting captcha verification with multi-instance execution.

### Nethram Arts (Social Media & Recruitment)

**Django, SQL, HTML, CSS, jQuery, JS, AWS S3**

Developed a unified talent and opportunity platform for film-industry professionals to build profiles, discover opportunities, and enable recruiters/producers to discover suitable talent.

## ACHIEVEMENTS AND AWARDS

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### Star award

Q4, 2024 - Centific

### Star award

Q3, 2024 - Centific

### Team Excellence award

Q1, 2024 - Centific

### Spot award

Q4, 2022 - The Scalers

## EDUCATION

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Completed B.Tech Mechanical Engineering and secured 67.1%

**Sri Vasavi Engineering College, Tadepalligudem**

 July 2014 - April 2018

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Completed Intermediate and secured 92.1%

**Sasi Junior College, Tanuku**

 June 2012 - April 2014

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Completed SSC and secured 9.2 GPA

**Akshara Public School, Tanuku**

 June 2011 - April 2012