

# VAMSHIDHAR REDDY BEECHARLA

Technical Analyst | Python Backend Developer

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## PROFESSIONAL SUMMARY

Results-driven Technical Analyst and Python Backend Developer with **4+ years** of experience in designing and delivering scalable microservices architectures. Proven expertise in FastAPI, Django, and cloud-native solutions on AWS and Azure. Successfully led the migration of a legacy C# monolith to modern FastAPI microservices, shipping 500+ RESTful APIs and achieving 35% latency reduction. Recognized for exceptional delivery with Key Contributor Award for client appreciation and module excellence.

## TECHNICAL SKILLS

**Backend & APIs:** Python, FastAPI, Django, Django REST Framework (DRF), RESTful APIs, Microservices Architecture, Node.js

**Databases & Caching:** PostgreSQL, MySQL, Redis, MongoDB, Elasticsearch

**Cloud & DevOps:** Amazon Web Services (AWS), Microsoft Azure, Docker, Kubernetes, CI/CD Pipelines, Nginx

**Task Processing:** Celery, Asynchronous Processing, Background Task Management

**Frontend & Tools:** React.js, JavaScript, Git, Postman, Linux, Jira

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer

*Stryv.ai | Hyderabad, India | November 2024 – Present*

#### Blue Book Services API Platform

- Architected and delivered scalable FastAPI microservices with clean REST contracts, reusable modules, and production-ready validation patterns for enterprise-grade platform
- Achieved 35% API latency reduction by implementing Celery for asynchronous background task processing and optimizing database queries
- Managed multi-environment Azure cloud deployments, CI/CD pipelines, and Azure Blob Storage integration for seamless production releases
- Built automated workflows using Python parallel processing, significantly reducing data processing time and improving operational efficiency
- Awarded Key Contributor Award for exceptional delivery, major module completion, and outstanding client appreciation

### Software Engineer

*SmallDay IT Services | Hyderabad, India | November 2021 – July 2024*

#### CodeXpro – Online Coding Assessment Platform

- Designed and developed core components of innovative online coding assessment platform using Django and Django REST Framework
- Leveraged AWS services (EC2, S3, RDS) to deploy, manage, and optimize application performance in production environment
- Configured SSL certificates in Nginx, enhancing data privacy and security measures for user authentication and data transmission
- Implemented comprehensive unit tests and debugging procedures ensuring robust code quality and system reliability
- Built React.js frontend with responsive design and integrated with Django REST API for seamless user experience

## Software Engineering Intern

*SmallDay IT Services | Hyderabad, India | November 2021 – December 2021*

- Developed web-based aptitude test platform using Django MVT (Model-View-Template) pattern
- Implemented ORM-based MySQL database with multiple interconnected tables for user management and test administration

## KEY PROJECTS

**Blue Book Services APIs** | FastAPI, Celery, Redis, Azure, Docker

- Enterprise-grade microservices platform with 1000+ RESTful endpoints, multi-environment CI/CD, and 35% latency improvement

**CodeXpro** | Django, Django REST Framework, React.js, AWS, MySQL, Docker

- End-to-end online coding assessment platform with candidate management, real-time code execution, analytics dashboards, and Nginx security

**Expenses Tracker** | Django, MySQL, Bootstrap

- Family expense monitoring web application with categorization, analytics, role-based access control, and responsive UI

## EDUCATION

**Master of Computer Applications (MCA)**

Yogi Vemana University | 2021

**Bachelor of Science in Computer Science**

Yogi Vemana University | 2018

## CERTIFICATIONS & AWARDS

- Key Contributor Award – Stryv.ai (Client Appreciation for BBOS Project Excellence)
- Python Full Stack Development – Palle Technologies
- Python Program Expert
- Postman API Fundamentals – Postman
- GitHub Foundations – GitHub
- Git Version Control