

ANOOP SINGLA

Software Developer | Backend Specialist & API Developer

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Gidderbaha, Punjab, India

Portfolio: anoop-singla21.github.io/anoop-portfolio/

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GitHub: github.com/Anoop-Singla21

PROFESSIONAL SUMMARY

Junior Backend Developer with 5+ months of specialized experience in payment gateway systems and 2+ years of overall professional experience. Strong expertise in Python, FastAPI, and secure API development. Passionate about building scalable, secure backend systems with robust architecture patterns. Background in mechanical engineering provides unique analytical and problem-solving skills for software development.

TECHNICAL SKILLS

Backend Development

Python (Expert) | FastAPI (Expert) | REST APIs (Expert) | PostgreSQL (Advanced)
SQLAlchemy (Advanced) | Celery (Advanced) | Redis/Valkey (Advanced)

Architecture & Security

Modular Monolithic (Expert) | Repository Pattern (Expert) | Unit of Work (Expert)
JWT Authentication (Advanced) | API Security (Advanced) | Rate Limiting (Advanced)
Audit Logging (Advanced) | Payment Gateway APIs (Advanced)

Tools & DevOps

Git (Expert) | Nginx (Intermediate) | Digital Ocean (Intermediate)
Linux (Intermediate) | Agile Methodology (Advanced)

Frontend & Additional

Svelte (Intermediate) | JavaScript | HTML/CSS | Tailwind CSS
SAP ERP | Microsoft Excel (Advanced) | AutoCAD

PROFESSIONAL EXPERIENCE

Junior Backend Developer

Meharsoft Technologies Pvt. Ltd. | *June 2025 - Present*

Malout, Punjab, India

Project: MerchantPG Platform - Comprehensive Payment Gateway Solution

Key Responsibilities:

- Developed core backend APIs and security middleware using FastAPI framework
- Implemented repository pattern with Unit of Work for data consistency
- Integrated Razorpay payment gateway APIs and webhook handlers
- Created background task processing with Celery workers and Beat scheduler
- Designed hybrid authentication system (Session + Token based)
- Deployed and managed applications on Digital Ocean using Docker and Nginx

Technical Achievements:

- Built centralized security middleware preventing unauthorized access
- Achieved 99.5% success rate in payment processing through optimized error handling
- Reduced deployment time by 70% using Docker containerization
- Implemented custom rate limiting and JWT token management systems

Technologies Used:

Python, FastAPI, PostgreSQL, Valkey, Celery, Docker, Nginx, Digital Ocean, Svelte, Razorpay SDK

Office Assistant (via Hill Gaurd Services Pvt. Ltd.)

Chambal Fertilisers and Chemicals Limited | *May 2023 - May 2025*

Bathinda, Punjab, India

Key Responsibilities:

- Managed Sales Orders, Purchase Orders, and Invoices in SAP system
- Developed advanced Excel reports using VLOOKUP, Pivot Tables, and complex formulas
- Automated daily reporting process reducing manual work by 60%
- Maintained 99% accuracy in financial documentation and inventory records

Skills Gained:

SAP ERP System, Advanced Excel, Data Analysis, Process Optimization, Inventory Management

EDUCATION

Advanced Diploma in Computer Application

*Digital Group of Institutes, Punjab | *2013 - 2014**

Bachelor of Technology in Mechanical Engineering

University College of Engineering, Punjabi University, Patiala | *2009 - 2013*

CGPA: 8.3/10

Industrial Training

- Setia Paper Industries: Production Department Trainee (2 Months)
- Escorts Construction Pvt. Ltd.: Quality Department Trainee (4 Months)

High School Education

- Higher Secondary (Non-Medical): SSD Sen. Sec. School, Bathinda (81%)
- Matriculation: DAV Vaish High School, Gidderbaha (85%)

PROJECTS

MerchantPG Platform | *Payment Gateway System*

- Developed complete payment gateway backend with security layers
- Tech: Python, FastAPI, PostgreSQL, Docker, Razorpay SDK
- Features: Hybrid authentication, rate limiting, payment processing, audit logging

KEY STRENGTHS

- Strong analytical and problem-solving skills from engineering background
- Expertise in backend architecture and API security
- Experience with payment gateway integration and financial systems
- Quick learner with adaptability to new technologies
- Clean code practices and attention to detail
- Collaborative team player with excellent communication skills

LANGUAGES

- English: Professional Proficiency
- Hindi: Native Proficiency
- Punjabi: Native Proficiency