

Shehzad Khalid

Software Engineer

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Professional Summary

Accomplished Software Engineer with over 3 years of experience in Python (Django, FastAPI), PHP (Laravel), and Vue.js, specializing in scalable RESTful APIs, database management (PostgreSQL, MySQL), and cloud-based solutions. Adept at clean architecture, AI integration, and remote collaboration, with a proven record of delivering high-impact projects for freelance and enterprise clients. Passionate about leveraging technology to solve real-world challenges.

Core Competencies

- **Languages:** Python, C++, PHP, SQL, Bash, JavaScript
 - **Frameworks/Libraries:** Django, FastAPI, Flask, Laravel, Vue.js, OpenCV, Pandas, NumPy
 - **Databases:** PostgreSQL, MySQL
 - **ORM/ODM:** Django ORM, Laravel Eloquent
 - **Testing:** Unittest, Pytest
 - **DevOps & Tools:** Docker, Docker Compose, Git, GitHub, VS Code, PyCharm, Postman, Jupyter Notebook
 - **Other:** REST APIs, Clean Architecture, OOP, DBMS, DSA, JWT Authentication, Linux CLI, CLI Scripting, System Design, Cloud Deployment (AWS), Remote Collaboration
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Professional Experience

Python Backend Developer (Freelance & Personal Projects)

Mar 2022 – Present

- Designed and deployed scalable RESTful APIs using FastAPI and Django REST Framework (DRF), supporting 12+ remote projects with 99% uptime.
- Developed djstart, a Django CLI tool automating setup with Docker and PostgreSQL, reducing deployment time by 50%.
- Built an AI Blog Generator processing 150+ YouTube videos monthly into structured content using OpenAI APIs.
- Created a full-stack portfolio with Django REST backend and Tailwind frontend, hosted on AWS for global

access.

- Contributed to 5+ open-source Django modules with JWT authentication, enhancing security for remote teams.
- Published a DRF boilerplate adopted by 6+ projects, improving development efficiency by 40%.

PHP/Laravel Developer (Freelance Projects)

Jun 2023 – Present

- Developed a Carpet Store Billing Web App with Laravel and Vue.js, managing 200+ products with real-time updates.
- Optimized MySQL queries, reducing search times by 35% for customer and stock data.
- Implemented role-based access and secure authentication for remote team coordination.

Inventory Management System – Unilever

Feb 2025 – Present

- Engineered a role-based inventory backend with Django, PostgreSQL, and Docker, managing 600+ daily transactions for 4 user roles remotely.
- Implemented dynamic workflows, boosting efficiency by 25% and reducing manual oversight by 30%.
- Integrated real-time tracking and notifications, enhancing operational workflows.
- Applied JWT authentication and modular service layers for scalable deployment.
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Education

BS Information Technology

University of Management & Technology (UMT)

2018 – 2022

Focus Areas: Backend Development, Systems, Artificial Intelligence

Key Projects

- **Inventory Management System** *Role-based system with real-time tracking and workflow management.*
 - Users: Admin, Manager, Storekeeper, Technician
 - Features: Stock requests, issue logs, reporting, live updates
 - Impact: Increased efficiency by 25%
- **AI Blog Generator from YouTube** *Converts YouTube videos to blog posts using OpenAI API and NLP.*

- Features: Transcript extraction, blog structuring, topic tagging
 - Stack: Django, OpenAI API, Celery, PostgreSQL
 - Impact: Processed 150+ videos monthly
 - **Gaze-Controlled Virtual Mouse (YOLOv8)** *Eye-tracking system for hands-free mouse control.*
 - Features: YOLOv8 for facial/eye detection, custom cursor logic
 - Impact: Supported 50+ users for accessibility
 - **E-Commerce Product Catalog** *Dynamic platform with search and filter functionality.*
 - Features: Advanced search, category filters, responsive design
 - Stack: Laravel, Vue.js, MySQL
 - Impact: Handled 300+ daily views with 98% uptime
 - **Task Management Dashboard** *Web-based tool for team task tracking.*
 - Features: Real-time updates, user assignments, progress tracking
 - Stack: PHP, Laravel, Vue.js
 - Impact: Reduced task oversight by 20%
 - **Remote Learning Platform** *Online course management system with video integration.*
 - Features: User profiles, course tracking, video streaming
 - Stack: Django, PostgreSQL, Vue.js
 - Impact: Supported 100+ concurrent users
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Achievements

- Designed DRF boilerplate adopted by 6+ projects, saving 50+ development hours.
- Automated Django setup with CLI, reducing project initiation by 40%.
- Built Laravel billing app, cutting invoice processing by 30%.
- Integrated advanced authentication into 3 live systems, enhancing security.