Avinash Jadhav

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PROFESSIONAL SUMMARY   LinkedIn | LeetCode| GitHub | HackerRank

A **software developer** with **4+ years of experience** in building **scalable**, **cloud-ready web applications** using **Python (Django, FastAPI, Flask)**, **React.js**, and **Node.js**. Skilled in creating **high-performance RESTful APIs**, managing **database schemas with Alembic**, and integrating **third-party services** across **distributed systems**. Experienced in using **OpenAI**, **LangChain**, and **vector databases** to develop **intelligent chatbots**, **automation workflows**, and **data-driven applications**. Proficient in **AWS (Lambda, EC2, S3, RDS)**, **Docker deployments**, and **serverless architecture**. Implemented **secure authentication** using **OAuth2** and **JWT**, improving system efficiency by **30%**. Recently worked on **RentalHunt.ca**, where I implemented **Stripe Payment Gateway**, built a **custom FastAPI admin panel** with **Starlette Admin**, and developed **middleware** for better **request/response handling**.

KEY EXPERTISE:

Back-End Development: Expertise in **Python**, **Django**, **Flask, FastAPI, Node.js, and Express.js** for building robust, scalable back-end systems. Skilled in RESTful API development, database management, multithreading, and error handling to ensure optimal performance and security.

Front-End Development: Proficient in **HTML5, CSS3, JavaScript, ES6+, jQuery, and Bootstrap**, with a focus on creating responsive, user-friendly interfaces and seamless API integrations.

AI and Chatbot Development: Hands-on experience **with OpenAI models, LangChain** framework, and LLM for developing intelligent applications, **AI agents, and chatbots**.

Third-Party Integrations: Extensive experience integrating with **Salesforce** and other third-party platforms to streamline data flow and enhance application functionality.

API Creation & Management: Expert in designing and implementing **RESTful APIs** and managing secure, scalable API ecosystems for seamless data exchange and integration.

TECHNICAL SKILLS

Web Technologies: HTML5, CSS3, JavaScript, jQuery, Bootstrap,React.js
Backend Technologies: Python, Django, Flask, FastAPI, Node.js, Express.js
Database Technologies: PostgreSQL, MySQL, SQL Server
Cloud Platforms: AWS (Lambda, EC2, S3, RDS), Azure, IIS, Docker
AI & Integrations: OpenAI, LangChain, LLM, Twilio, Salesforce
Tools: Git, Jira, PyInstaller, Celery, Redis

WORK EXPERIENCE

Senior Backend Developer | Neosoft Technologies Pvt. Ltd
Jun/2025 - Present

- Leading **backend development for Sapphire Foods (KFC India)** operations management systems.
- Built a FastAPI-based backend with **SQLModel** for store-level data tracking, reporting, and performance monitoring.
- Developed and deployed a standalone .exe desktop application (via **PyInstaller**) used in **500+ KFC.**
- **Stores** across India, eliminating the need for Python installation or internet access.
- Integrated Angular-based frontend for seamless user interaction with the FastAPI backend.
- Collaborated with **QA**, **DevOps**, and cross-functional teams to ensure quality deliverables and timely deployment.
- **Technologies**: **FastAPI**, **Angular**, **SQLModel**, **PyInstaller**, **MS SQL Server, Docker**, **Git**, **Jira**.

Associate Consultant | Datamatics Global Services Limited

Oct/2021 - May 2025

- Developed Chatbots and AI applications one of them is currently being used to reduce the work-time by **50%.**
- Make good technical decisions that provide innovative solutions to business challenges.
- Facilitate root-cause analysis of system issues.
- Identify ideas to improve **system performance** and impact availability
- Monitoring and fixing the issues that were **reported**.
- Work as part of a team developing applications and services using **agile** methodology.
- **Technologies**: **OpenAI API**, **LangChain**, **Vector DB**, Microsoft Add-in using **ReactJS**, Django (Python), **MS SQL Server, Azure**. Conducted thorough reviews of operations to devise and deploy improvement strategies.

KEY PROJECTS

RentalHunt – **Multi-Region Real Estate SaaS Platform** *(Team Size: 3)*
- Implemented dynamic database routing middleware to select the correct database/schema based on user **region (CA, AE, EU)**.
- Designed and developed a region-based backend architecture for RentalHunt's global real estate SaaS platform (**rentalhunt.ca**).
- Integrated Firebase Authentication for secure login, token management, and role-based access control.
- **Developed and optimized FastAPI middleware** with **dependency injection** for handling authentication, logging, and request validation, and integrated **Starlette Admin** for custom admin panel management across property listings, tenant management, and payment modules.
- Built a **Redis-based caching** layer for frequently accessed data, reducing API response time by 40%.
- Created region-specific middleware to inject **request.state.region** and enforce data separation.
- **Tech Stack: FastAPI, Redis, SQLAlchemy, Firebase, AWS, Docker, PostgreSQL,Next.js**

LRW – Market Research Automation Platform *(Team Size: 8 | Duration: 1 Year)*
- Designed and implemented **complete backend architecture** using **Django** with **modular, scalable API endpoints** for survey classification and processing.
- Built **pattern recognition & regex-based algorithms** to automatically detect survey question types (**single punch, multi punch, range-based, looped, grid**) and convert them into structured **JSON → XML** workflows.
- Enabled **secure JWT-based authentication**, improving API security and session handling.
- Optimized **MySQL queries** and backend logic, reducing processing time by **40%**.
- Integrated **React frontend** with backend APIs for seamless data flow.
- **Tech Stack: Django, MySQL, Docker, REST API, Regex, JWT, React**

SuperCX – Customer Experience & CRM Sync Platform *(Team Size: 9 | Duration: 8 Months)*
- Developed **high-performance RESTful APIs** and **role-based access control** for campaign, feedback, and CRM modules.
- Integrated **Salesforce CRM** with **Django backend**, enabling **real-time customer data sync.**
- Built **webhook processing pipelines** for third-party event handling.
- Implemented **JWT-based authentication & authorization** for secure data access.
- Led **backend optimization** for **large-scale data retrieval**, cutting query execution time by **35%**.
- Collaborated closely with **React frontend team** for smooth API integration.
  Tech Stack: Django, Python Scripting, React, Docker, REST API, Salesforce API, JWT

SurveyBonsAI – AI-Powered Survey Automation *(Team Size: 8 | Duration: 7 Months)*
- Architected backend with **Django + FastAPI hybrid** to leverage async capabilities for **AI-driven survey generation**.
- Integrated **AI models (OpenAI, LangChain)** for auto-suggestion of survey questions based on past datasets.
- Implemented **dynamic survey creation**, branching logic, response scoring, and result export

(Excel, CSV, PDF).
- Used **Azure Data Factory** for ETL pipelines to process survey analytics data.
- Developed **scalable database schema** in MySQL and optimized queries for faster API response.
- Containerized services with **Docker** and deployed to **Azure** for production scalability.
- **Tech Stack: Django, FastAPI, MySQL, Azure Data Factory, Docker, OpenAI, LangChain**

Feedback Relay – Automated Email Processing & Reporting *(Team: 4 | Duration: 9 Months)*
- Architected **real-time email processing system** connected to **Microsoft Graph API** for live monitoring of incoming feedback emails.
- Automated data extraction and appended results to an **Excel report on SharePoint** using **Pandas** and **OpenPyXL**.
- Integrated **Microsoft Teams notifications** for instant feedback alerts.
- Implemented **Celery + Redis** for scheduled daily report generation at 6 PM and live background task execution.
- Ensured **secure JWT authentication**, optimized task queues, and reduced manual reporting effort by **70%**.
- **Tech Stack: Django, Python, MySQL, Celery, Redis, Pandas, OpenPyXL, Microsoft Graph API, GraphQL**

TGN – AI-Driven Document Interaction Platform *(Team: 7 | Duration: 10 Months)*
- Developed **PDF ingestion & semantic search pipeline** using **LangChain** for embedding and **Vector DB** for fast retrieval.
- Integrated **OpenAI API** for conversational querying of uploaded documents.
- Built secure JWT-protected Django endpoints for file uploads and AI-powered document Q&A.
- Optimized vector search for **low-latency AI responses**.
- **Tech Stack: Django, Python, REST API, LangChain, Vector DB, OpenAI**

ACHIEVEMENTS
- Solved **600+ coding problems** on LeetCode, showcasing strong **DSA and problem-solving skills**.
- Successfully delivered **10+ Python/Django projects**.
- Achieved **100+ coding solutions** on HackerRank, demonstrating expertise in algorithmic challenges.

EDUCATION
- Master of Computer Application (MCA):

  North Maharashtra University, Jalgaon
- Graduation: Bachelor of Science in Information Technology (B.Sc. IT)
  Jai Hind College