Tarun Chopra

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Availability: Immediate Joiner

PROFESSIONAL SUMMARY

Python and Django Backend Developer with around 3 years of relevant experience in designing robust backend systems and RESTful services, and over 5 years as an educator in Computer Science. Skilled in Python, Django, and Postgres with a focus on clean, scalable code. **Immediate joiner with a strong ability to learn and adapt to new technologies as per project needs.**

❖ **Corporate Experience: around 3 years**

VVDN Technologies | Software Engineer   *Gurugram, Haryana | Aug,2022 - May,2025*

Project 1: Resource Mapping Tool:
A Django-based web application designed to streamline resource allocation by aligning available talent with project requirements. Features role-based access control (HR/PM, TechOwner, BU Head) for efficient request approvals and workforce management.

Technologies Used: Python, Django, HTML, CSS, Javascript, Postgres, AWS (EC2)
Responsibilities:
- Designed and implemented both frontend and backend components for a seamless user experience.
- Designed and developed RESTful APIs to ensure seamless integration with the UI, enabling efficient feature delivery.
- Built core modules like Dashboard, Employee Onboarding, Raise Request, Release Offer, Customer Addition, and Approval Management.
- Implemented CRUD operations for efficient management of Employee and Customer Opening details.
- Deployed the application on an AWS EC2 instance for reliable and scalable hosting.

Project 2: EMS (Element Management System):
This is a Unlicensed Band Radio devices management system, specifically designed for unlicensed band radios. Utilizing Pysnmp, all devices communicate with the EMS over SNMP protocol for configuration, statistics, and notifications. Our system supports deployment in both on-premises and cloud environments, leveraging Docker and Kubernetes services.

Technologies Used: Python, Django, Postgres.
Responsibilities:
- Gathering the customer requirements for feature design and development.
- Designed and developed RESTful APIs to ensure seamless integration with the UI, enabling efficient feature delivery.
- Optimized application logic to enhance functionality, performance and scalability.
- Followed Agile methodologies, ensuring timely tracking, task management, and issue resolution.
- Mentored and guided team members, providing technical support and effective solutions to challenges.

Project 3: Stock Management System:
Designed to streamline the Binning & Kitting process by managing components online with real-time tracking. Tracks components across Shipment, QA, Binning, Shelving, Inventory, and Kitting stages using QR-coded identification for accuracy and efficiency.
Technologies Used: Python, Django, Postgres.
Responsibilities:
- Developed RESTful APIs for seamless UI integration and ensured timely feature delivery.
- Optimized feature logic to enhance performance, scalability, and functionality.
- Identified root causes of issues and provided effective resolutions to improve system stability.

- Followed Agile methodology, ensuring efficient task tracking, issue resolution, and continuous improvement.

❖ **Teaching Experience: 5+ years**
Nalanda International School *Gohana, Haryana | Aug, 2016 - Feb, 2022*
- 5+ years of experience as a Computer Science Educator, mentoring students and enhancing analytical skills.
- Designed and delivered an advanced Computer Science curriculum, covering Python, HTML, CSS and Javascript, tailored for senior secondary students.
- Integrated modern tools like Python IDEs, SQL databases, and collaborative coding platforms to create an interactive learning environment.
- Mentored students to develop critical thinking and problem-solving skills, preparing them for academic and professional success.

SKILLS

Programming Languages	Python, HTML, CSS, Javascript (Basics), Data Structures & Algorithms
Framework/Technologies	Django REST Framework, REST APIs, Flask, Pytest
Database	SQLite, Redis, Postgres
IDE	Pycharm, Visual Studio Code, Jupyter
Tools & DevOps	Docker(Basics), Kubernetes (Basics), AWS EC2
Operating System	Linux, Ubuntu

EDUCATION

B.Tech (CSE) | Kurukshetra University *2011 - 2015*
SD Institute of Technology & Management, Israna (Panipat), Aggregate - 77.16 %

Higher Secondary Education | CBSE *2010*
Geeta Vidya Mandir Sr. Sec. School, Gohana (Sonipat), Aggregate - 77.20 %

Secondary Education | HBSE *2008*
Jain Sr. Sec. School, Gohana (Sonipat), Aggregate - 90.40 %

PERSONAL DETAILS

- **Father's Name :** Mr. Krishan Lal
- **DOB :** January 17, 1993
- **Gender :** Male
- **Permanent Address :** Near Ice Factory, Vishnu Nagar, Gohana (Sonepat) , Haryana- 131301

DECLARATION

I hereby declare that all the information furnished above is true to the best of my knowledge.

TARUN