PRAKASH SAHU
Python Fullstack Developer

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Summary:

- Having 4.5 years of experience in Design, Development, Maintenance and Implementing Enterprise, Web and Client Server applications using Python.
- Good experience in Web development using Python Django framework following Test Driven Development approach using continuous integration tools like Jenkins. Understanding of Django ORM to facilitate db. interaction from Django.
- Good understanding of middleware architecture in Django.
- Implemented a custom middleware to replace login required decorator.
- Experience in using tools like Docker, Bamboo, Jenkins, Bitbucket, Stash, GIT Hub.
- Experience in developing RESTful services using Django-rest-framework.
- Worked in Agile/Scrum methodology and implemented unit tests in Test Driven Development.
- Good knowledge in developing Persistence Layer using databases like Oracle, Postgres and MySQL.
- Expertise in developing business solutions with excellent knowledge on Object Oriented analysis, Design and Development principles.
- Possess good knowledge on several design patterns including but not limited to Singleton, MVT, MVC, DAO etc.
- Experience in developing applications using IDE's like VS Code, PyCharm, Cursor etc.
- Excellent team player, quick learner and self-starter with effective communication, motivation and organizational skills combined with attention to details and business process improvements.
- Basic knowledge on JavaScript, HTML, highly willing to work on technologies like Angular4 and node js.
- 1-3 years experience in Unix shell, Perl scripting.

Education:

B.Tech | Mechanical Engineering   **2020**
- Graduated With 7.30 CGPA
- **Technocrats Institute of Technology, RGPV University, Bhopal Madhya Pradesh.**

Achievements:

- Stellar Award Q4 FY18 R&R program in Virtusa.
- Appreciation from Bootlabs Technology Pvt Ltd.

Work Experience:

- Worked as a **Python Developer** at **Vodafone, Bangalore** from **May-2025 to Present.**
- Worked as a **Associate Software Engineer** at **Bootlabs Technology Pvt Ltd, Bangalore** from **May-2024 to Apr-2025.**
- Worked as a **Python Developer** at **Zkteco Bio matric india, Bangalore** from **Aug-2023 to Apr-2024.**
- Worked as a **Software Developer** at **Spellor Logicsoft Pvt Ltd, Hyderabad** from **2020-Jun to Aug-2023.**

Tools and Environments:

1. Languages: Python 2.x, Python 3.x.
2. Framework: Django, Flask, Fast API.
3. Frontend: HTML, CSS, JavaScript, Bootstrap.
4. Databases: MySQL, SQLite, PostgreSQL and DB2.
5. Operating System: Linux, Mac, Windows XP and above.
6. Development Tools: Eclipse, Putty, WinSCP.
7. IDE: PyCharm, Sublime, Atom, VS Code.
8. Template: jinja2 template.
9. Version Controls: GIT, SVN
10. Repositories: GitHub, Bitbucket, Gitlab.
11. SDLC: Waterfall, Agile/Scrum.
12. Cloud Services: AWS (EC2, S3 AWS Lambda).
13. Testing : Playwright, Selenium, Postman.

Professional Experience:

Project 4:
Project : Vodafone Travel eSIM Bot – Competitive Intelligence Platform
Role: Python Developer
Team Size: 4
Technologies: Python 3.11, Playwright, Google Cloud Platform (BigQuery), Node.JS, FastAPI, BeautifulSoup, Cursor, Pydantic, React JS.
Description:
Travel eSIM is an AI-powered competitive intelligence system that helps Vodafone monitor and compare international eSIM data plans offered by over 20 global competitors (like Airalo, Holafly, Nomad, Ubigi, etc.). It automatically collects pricing, data limits, and plan details from competitor websites and provides real-time insights through dashboards and AI-driven analysis.

Responsibilities:

- Engineered an AI-powered data scraping and analysis system for 20+ global eSIM providers.
- Built scraping pipelines using Selenium and Playwright to extract real-time pricing and plan data.
- Integrated Google Vertex AI and LangChain for content parsing and summarization.
- Developed FastAPI-based microservices for data collection, chat interface, and backend logic.
- Built a React dashboard for real-time competitor comparison and insights.
- Deployed the system on Google Cloud with BigQuery.
- Created CLI tools for developer-friendly scraper control and debugging.
- Implemented CI/CD pipelines with testing, linting, and type checking.

Project 3:
Project : WOVO
Role: Python Developer
Team Size: 8
Technologies: Python 3.12, Fastapi & Django, Rest API, Numpy, Pandas, Linux, Aws(S3), SQL, Kubernetes React JS.
Description:
Banking and Commercial application: An all in one application designed to instantly engage and educate workers throughout supply chains. WOVO allows workers to access digital trainings from partners, communicate with their employer anonymously, submit safety reports, view their pay slip and give input through worker surveys.

Responsibilities:

- Worked on different modules as per requirements and preparing technical specification documents for functionalities.
- Worked with senior Engineer to understand software requirements and timelines.
- Worked closely with cross-functional teams, including designers, QA engineers, and product managers, to ensure seamless integration and delivery of functionalities.
- Developed secure channels for submitting safety reports and communicating anonymously.
- Maintain individual ownership and take personal responsibility for work.
- Involved in implementing code using Python with Django framework
- Involved in implementing RESTful API from server side.

Project 2:
Project : easy TimePro
Role: Python Developer
Team Size: 9
Technologies: Python 3.x, Flask, MySQL, Postman, Pytest, Gitlab, Source Tree, Docker, Multithreading.
Description:
Human Resource Management System (HRMS) application : easy TimePro is a revolutionary online-based time attendance management system which makes handling employee data convenient and user-friendly. The software is developed with a powerful architecture that integrates several modules and allows us to manage abundant personnel/employee/staff data on a single platform.
easy TimePro can be accessed by multiple administrators via a web browser from any location. It is designed to manage several devices and consists of various tools to manage and schedule timetable, payrolls, shifts, employee transactions, etc. and to generate reports with various employee particulars.

Responsibilities:

- Involved in implementing code using Python with Flask framework.
- Configured and managed integration with biometric devices for real-time attendance tracking.
- Collaborated with front-end developers to design and integrate intuitive and responsive user interfaces for managing attendance and payroll systems.
- Requirements gathering from clients.
- Designed and implemented dynamic reporting features for generating detailed attendance, payroll, and shift schedule reports.
- Involved in Code Reviews and Code Refactoring.
- Created technical documentation for system architecture and API usage.

Project 1:
Project: Home Depot
Role: Python Developer
Team Size: 6
Technologies: Python 2.7, Flask and Django, Bitbucket, Postgres, Winscp, OOPS, ORM, Git, GitHub, Mongo DB HTML, CSS, Javascript, AWS, Jenkins, React JS.
Description:
E-Commercial application : US Garage Doors manufactures both Building and Plastic products. It is famous for its Garage Doors. Istore is an application where dealers can order these garage doors. In this, dealers can configure garage doors according to customer requirements.
The main objective of the project is to check the process flow of the order from iStore to Order Management till it is got shipped. We will also check the performance of the application in different browsers.

Responsibilities:

- Involved in Agile development using Jira to analyze wireframe and discuss requirement.
- Developed Inventory Management System to track product Quality.
- Developed Warehouse Management System to handle product stock exchange.
- Developed Customer Care Dashboard to handle customer's queries and issues.
- Involved in implementing code using Python with Django framework.
- Involved in implementing RESTful API from server side.