

RAHUL PRAJAPAT

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Professional Summary

- Designed and developed over 15 web applications using Python, TypeScript, and JavaScript with Django and Flask, **reducing deployment times by 30%**.
- Mastered client-server technologies, RESTful services, and serverless architectures, enhancing system scalability and flexibility by 25%.
- Utilized tools and libraries like Git, JIRA, API Gateway, Material UI, Bootstrap, MongoDB, NumPy, and Beautiful Soup, reducing bugs by 20% and improving code quality.
- **Increased system uptime by 40%** through effective use of AWS cloud services and automation tools.
- Managed CI/CD pipelines, **achieving a 50% reduction in deployment errors**.
- Applied Agile methodologies to **improve project delivery times by 35%**.
- Demonstrated strong analytical skills, **cutting incident response times by 25%**.
- Stayed updated with industry trends, **boosting team productivity by 30%**.
- Coordinated effectively with teams and stakeholders, **achieving a 95% client satisfaction rate**.

Work Experience

Senior Python Developer (Level-II) | Psych X86 Technology (Tata Neural Financial)

Sept 2024 - Present

Project Summary: Led a project leveraging **Python with FastAPI, PostgreSQL, and Azure Document Intelligence** for processing GST-related summons. This initiative involved **extracting and analyzing data** using Azure Document Intelligence, securely managing containerized services via **Azure Container Registry**, and **automating the generation of final Draft Reply files**.

Responsibility:

- Implemented **scalable APIs and microservices** with FastAPI, **reducing response times and improving system efficiency by 30%**.

- **Optimized database performance** by refining **PostgreSQL queries and indexing strategies**, leading to **faster data retrieval** and a **15% improvement in query execution time**.
- **Enhanced software quality** with rigorous unit testing and API validation, reducing production bugs by **35%**.
- **Designed and maintained secure containerized deployments** in **Azure Container Registry**, streamlining application deployment and reducing infrastructure overhead by **25%**.
- **Integrated Azure Document Intelligence** for automated document parsing, enhancing data extraction accuracy and reducing manual processing efforts by **40%**.
- Provided backend expertise to support React application development, optimizing API endpoints and data management for faster rendering and improved user experience.
- Collaborated with front-end teams to **debug and enhance React components**, ensuring seamless API integration and contributing to a **20%** improvement in application responsiveness.
- **Led peer programming sessions and code reviews**, fostering a knowledge-sharing environment and increasing development efficiency by **20%**.
- Developed and optimized software solutions using Python, FastAPI, PostgreSQL, and Azure Document Intelligence, automating GST-related summons processing and document extraction.
- Managed and maintained **Linux-based systems** for application deployment, ensuring optimal performance, security, and system reliability. Automated routine tasks using shell scripting, contributing to improved operational efficiency.

Python Developer/Data Engineer | Consultadd Services Pvt Ltd (Corteva Agriscience)

May 2023 – Sept 2024

Project Summary: Led a project leveraging Python with Dagster, Apache Pulsar, Trino and Databricks for data processing. This initiative involved ingesting data from diverse sources, transforming it with Python and Dagster for analysing and loading it into Trino.

Responsibility:

- Developed software solutions using Python, Django, Flask, AWS, SQL, Snowflake, Apache Pulsar, and Data Hub, improving system efficiency and **performance by 30%**.
- Enhanced software quality through rigorous test coverage strategies, **reducing production bugs by 40%** and ensuring a robust codebase.
- Collaborated with cross-functional teams to design and deploy scalable applications, leading to a **25% increase** in deployment speed. Utilized Django and AWS/Azure for web and cloud services.
- Integrated Snowflake, Apache Pulsar, and Data Hub, boosting data processing efficiency by **35%**.
- Fostered a productive environment through peer programming and knowledge sharing, **improving team productivity by 20%**.
- Optimized development processes with Git, GitHub, and AWS services, reducing deployment times by 15% and **increasing project success rates by 25%**.

Python Developer/Data Engineer | Consultadd Services Pvt Ltd (Humana Inc.)

Sept. 2022 – May 2023

Project Summary: Led a project leveraging Python with SQL for advance data processing. This initiative involved ingesting data from diverse sources, transforming it with Python and utilizing SQL queries for analysing and loading it into Snowflake.

Responsibility:

- Designed and executed software solutions using Python, Django, Flask, and AWS, **enhancing system performance by 25%**.
- Improved project completion speed by 30% through active collaboration in cross-functional teams.
- Architected and deployed scalable applications for web and mobile platform, achieving a **40% improvement in scalability and performance**.
- Implemented test coverage and debugging procedures, **reducing production bugs by 50%** and ensuring a robust codebase.
- Delivered high-quality, error-free code in Docker containers, facilitating a seamless deployment process.
- Strengthened coding standards through peer programming, **reducing code review time by 20%**.
- Researched and integrated new technologies, optimizing development processes and reducing deployment times by 15%.
- Developed an automation framework for testing and deployment, increasing deployment frequency by 35%.
- Enhanced team collaboration and productivity, **leading to a 20% boost in efficiency**.
- Drove innovation by experimenting with new technologies, **improving project efficiency by 25%**.

ESD Training Program Trainee | Zensar Technologies, Pune, India

January 2021 – September 2021

- Completed the Enterprise Solutions Development (ESD) training program, software development concepts such as full-stack development, object-oriented programming, and database management.
- Applied skills in real-world projects, developing and maintaining enterprise-level applications with Python, NodeJS, Angular, and SQL.
- Collaborated in cross-functional teams to design, implement, and test software solutions, enhancing problem-solving and teamwork capabilities.
- Gained experience in Agile methodologies through SCRUM practices, sprint planning, and daily stand-ups, ensure timely and efficient project delivery.
- Participated in soft skills training sessions focused on communication, presentation, and professional conduct, preparing for effective client interactions and teamwork.

Education

Graduation Bachelor of Technology in Information Technology

Chameli Devi Group of Institution, Indore (M.P.)

Graduated: May 2023

GPA: 8.4/10.0 CGPA

High School Education

12th Grade

M.P. Public Higher Secondary School, Indore (M.P.)

Graduated: April 2019

GPA: 7.3 CGPA

10th Grade

Sarafa Vidhya Niketan, Indore (M.P.)

Higher Secondary (PCM)

GPA: 8.8 CGPA

Certification

- **AWS Certified Developer – Associate Certified by AWS**

https://www.credly.com/badges/9bccc51c-c215-49e2-a138-1a6c9416865d/linked_in?t=seqayl

- **AWS Certified Solutions Architect – Associate Certified by AWS**

<https://cp.certmetrics.com/amazon/en/public/verify/credential/DS1V5LWKV1QE1333>

Skills

- **Programming Languages:** Python, TypeScript, JavaScript

- **Frameworks:** Django, Flask
- **Web Development:** Designing, developing, and implementing web applications
- **Client-Server Technologies:** RESTful services, serverless architecture
- **Cloud Services:** AWS (EC2, S3, RDS, Lambdas, DynamoDB, CloudFront, CloudWatch, Glue, Athena, Elasticsearch)
- **Databases:** SQL, PostgreSQL, NoSQL, MongoDB, Snowflake
- **Tools and Libraries:** Git, JIRA, API Gateway, Material UI, Bootstrap, NumPy, TypeScript, Beautiful Soup
- **Automation and CI/CD:** Docker, GitHub, Linux, CI/CD pipelines for code deployment
- **Methodologies:** Agile (SCRUM, Waterfall, TDD)