

SAURABH MISHRA

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience in building and scaling SaaS applications. Proficient in Python, Flask, Django, React, and FastAPI, dedicated to delivering innovative solutions that drive business success. Motivated to learn and grow in the software industry.

EDUCATION

Chandigarh University

B.Tech. in Computer Science and Engineering;

Punjab, India

Jul. 2019 – May 2023

SKILLS

Programming Languages: Python, Java, HTML, CSS, SQL

Frameworks/Tools: Flask, Django, FastAPI, SQLAlchemy, RESTful APIs MySQL, AWS (IAM, S3, EC2, Lambda), Git, Reactjs, Linux

Methodologies: MVC Pattern, Debugging, Agile, Scrum, OOPS, Data Structures and Algorithms, Microservices, DevOps, CI/CD, Jira

PROFESSIONAL EXPERIENCE

Aventior Digital Private Limited

Junior Full Stack Developer

Pune, India

Mar. 2024 – Present, Full-time

- Developed scalable **MVC architecture** based web applications using React, Python and FastAPI, efficiently handling **high API traffic** and improving response times by **30%** through optimized query execution.
- Streamlined data processing workflows by collaborating with teams to enhance efficiency, successfully reducing processing time from 5 minutes to 1 minute and improving overall system performance.
- Integrated AWS services like IAM, S3, and EC2, strengthening cloud infrastructure and improving system reliability.
- Identified and resolved critical production issues, minimizing downtime by **60%** and ensuring seamless, uninterrupted deployments for improved system reliability.
- Tech Stack - Backend:** Python, FastAPI, SQLAlchemy | **Frontend:** HTML, CSS, React | **Database Management:** MySQL | **DevOps/Cloud:** AWS, Linux | **Tools:** Postman

Highradius Technologies

Software Engineering Intern

Bhubaneswar, India

Jun. 2022 – May 2023, Internship

- Built scalable backend solutions using Python, Flask, and PostgreSQL, optimizing performance and database efficiency.
- Optimized data pipelines with Flask and PostgreSQL, cutting processing time by 30% and enhancing data flow.
- Supported the full product SDLC, from development to troubleshooting and customer support, driving a 20% increase in user satisfaction.

PERSONAL PROJECTS

Cloud-Based Product Management System

Tech Stack: Python, SQLAlchemy, JWT, FastAPI, AWS

- Developed a Flask-based web application for efficient product management, implementing **CRUD operations with SQLAlchemy ORM** for seamless database interactions.
- Designed high-performance REST APIs using FastAPI and integrated JWT tokens & OAuth for secure authentication and authorization.
- Deployed the application on AWS EC2 to ensuring smooth automated deployments.
- Enhanced scalability and fault tolerance by implementing AWS Load Balancer, Auto Scaling, and S3 for media storage with IAM-based access control.

Invoice Management System

Tech Stack: React, Material UI, Java, Servlets, JDBC, MySQL

- Built a web-based Invoice Management System that **optimizes financial workflows** through a full-stack solution, leveraging React.js, Material UI for interactive data visualization, and Java Servlets with JDBC for backend integration.
- Designed features like CRUD, searching, sorting, and pagination for efficient data handling, backed by MySQL database.
- Developed interactive data visualization using Chart.js, enabling real-time analytics and comprehensive reporting dashboards.