Pranav Gautam
Software Engineer

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Summary

Results-driven Python Developer with 2 years of experience in developing high-performance web applications, data analysis, and machine learning solutions. Proficient in using Python frameworks such as FastAPI and Flask to create clean, maintainable code that meets user needs. Demonstrates strong communication skills and excels in collaborating with cross-functional teams to achieve project goals. Passionate about continuous learning and staying up-to-date with the latest industry trends to drive innovation and provide top-notch solutions. Eager to contribute expertise in Python development to a dynamic team and drive project success.

Technical Skills

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

Databases: MySQL, MongoDB, PostgreSQL, Redis, Oracle, Cassandra

Frameworks/Libraries: Django, Flask, React.js, Redux, REST API, Hibernate, JSON, MVC Framework, Microservices

Tools & Technologies: Git, Docker, Kubernetes, AWS (Amazon Web Services), Microsoft Azure, CI/CD, JIRA, Jenkins, Apache Kafka, Maven, Gradle, Jest, Selenium, Swagger, Postman, JUnit, Mockito, JMeter, IntelliJ IDEA, VS Code

Professional Experience

Software Engineer, *TCS*   Aug 2023 – May 2024 | Remote, USA

- Developed a scalable e-commerce platform using Python-based microservices with Django and FastAPI, enhancing the user experience through dynamic frontend components with React.js.
- Created a responsive and interactive UI using HTML, CSS, and JavaScript, and streamlined CI/CD processes with Jenkins for automated builds, tests, and deployments.
- Featured robust search function, personalized product recommendations, and payment integration, increasing user engagement by 30% and reducing development time by 40% through automation.
- Leveraged Docker containerization with AWS Elastic Container Service (ECS) and AWS Fargate, achieving a 50% reduction in infrastructure costs.
- Implemented Agile methodologies, enhancing defect management and project delivery efficiency by 70%, while boosting e-commerce sales by 40%.

Software Engineer, *Maxgen Technologies Pvt. Ltd.*   Mar 2021 – July 2022 | Remote, India

- Developed high-performance education system applications using Python, Django and React to deliver efficient, scalable solutions.
- Optimized database performance by integrating educational databases using SQLAlchemy, achieving a 15% improvement in query performance and a 10% reduction in database issues.
- Automated data processing workflows by implementing AWS S3 event notifications and triggers within the education platform, achieving a 50% reduction in manual intervention.
- Conducted extensive unit testing with PyTest, achieving a 95% test coverage rate to minimize post-release defects.
- Utilized RESTful APIs to update the student management system and ensured better information flow.
- Employed AWS CloudWatch for real-time monitoring of student activities and Docker containers to create a consistent and isolated development environment for ETL pipelines used within the education system.

Education

Master of Science, *University of Florida*   Aug 2022 - May 2024 | Gainesville, USA
Computer Science

Bachelor of Engineering, *Medi-Caps University*   Aug 2019 - May 2022 | Indore, India
Computer Science Engineering

Projects

HealthTrack, *Python, Django, React, MySQL, AWS, Apache Kafka*

- Developed a Remote Patient Monitoring System, reducing emergency response times by 50%.
- Designed a scalable infrastructure on AWS, ensuring secure handling of data and supporting up to 1,000 users.

Ready-to-Eat, *React, MongoDB, HTML, CSS, JavaScript, Rest APIs*

- Launched a website for Medi-Caps University, reducing cafeteria congestion and wait times by 30%.
- Boosted cafeteria efficiency by 25% through the integration of REST APIs and MongoDB for real-time updates.