

**Kiran Pathak**

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## PROFESSIONAL SUMMARY

Experienced Python Full Stack Developer with 4+ years of experience in designing, developing, and deploying scalable web applications. Proficient in backend development using Python, Django, and Flask, and skilled in frontend technologies including HTML5, CSS3, JavaScript, React.js, and Bootstrap. Experienced in REST API design, database management (MySQL, PostgreSQL, MongoDB), and integrating third-party services. Adept at working in Agile environments, collaborating with cross-functional teams, and delivering high-quality software within deadlines. Strong background in version control (Git/GitHub) and cloud platforms. Passionate about clean code, performance optimization, and building user-friendly solutions that meet business goals.

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## PROFESSIONAL EXPERIENCE

### Senior Software Engineer

**LТИ Mindtree** | Pune, Maharashtra | Sept 2024 – Present

- Provided backend development support for an enterprise application using Python and MySQL.
- Designed and implemented RESTful APIs for seamless communication between frontend and backend services.
- Diagnosed and resolved bugs in existing codebase, improving overall application stability and performance.
- Investigated production issues by analyzing logs, writing test scripts, and debugging Python modules.
- Managed code versions using Git and followed Agile processes using JIRA for sprint planning and tracking tasks.
- Created and optimized SQL queries to support bug fixes and validate data consistency.

## **Application Engineer**

**Three M Software Pvt. Ltd.** | Pune, Maharashtra | **Dec 2022 – July 2024**

- Developed and maintained backend components of a Job Tracking Platform using Python.
- Built responsive user interfaces with HTML5, CSS3, JavaScript, React.js, and Bootstrap, enhancing user experience across devices.
- Designed and implemented relational database models in MySQL.
- Designed relational database schemas and managed data integrity for various platform modules.
- Implemented search and filter features using SQL queries for recruiter and applicant dashboards.
- Ensured data flow between application layers and the database using Python and SQL.

## **Software Engineer**

**ANUTHAM TECHNOLOGIES Pvt. Ltd.** | Pune, Maharashtra | **Feb 2021 – Nov 2022**

- Built reusable Python scripts for data processing and automation tasks.
  - Created and optimized database models in MySQL/SQLite for fast query execution.
  - Collaborated with peers using GitHub for version control and code reviews.
  - Followed Agile methodology for project development, including sprint planning and regular progress reviews.
  - Performed code optimization, bug fixing, and troubleshooting to enhance application stability and performance
  - Designed and implemented relational database models in MySQL.
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## **PROJECT EXPERIENCE**

### **Development Support and Bug Fixing**

Worked on an ongoing enterprise-level application providing development support, debugging, and fixing critical production issues to ensure uninterrupted functionality and performance.

- Developed minor enhancements and automation scripts to streamline operations.
- Analyzed and resolved bugs in Python-based backend modules, improving application stability and performance.
- Wrote and optimized SQL queries for data validation, migration, and bug tracing across

MySQL databases.

- Collaborated with QA and testing teams to replicate and troubleshoot reported issues, reducing bug turnaround time by 30%.
- Maintained clear documentation of fixes and enhancements for future traceability and audits.
- Worked in Agile environment, participated in daily stand-ups, sprint planning, and issue tracking via JIRA.
- Used Git for version control and managed branches for hotfixes and patch releases.

### **Online Bookstore Management System**

Developed a full-stack web application enabling users to browse, search, and purchase books online. The platform supports secure transactions, personalized recommendations, and administrative controls for managing products and orders.

- Designed and implemented backend APIs using Django REST Framework for book catalog, user authentication, orders, and payments.
- Created a responsive frontend with React.js and Bootstrap for a seamless user experience across devices.
- Integrated secure payment gateways (Stripe/PayPal) for transaction processing.
- Implemented JWT authentication for secure login and role-based access (user/admin).
- Built search and filtering functionality for books based on category, price, and author.
- Developed an admin dashboard for managing inventory, tracking orders, and generating sales reports.
- Stored book images and media files on AWS S3, hosted backend on AWS EC2.
- Utilized MySQL for database management and optimized queries for performance.
- Conducted unit testing, code reviews, and bug fixes to ensure system stability.

### **Inventory Management System**

The Inventory Management System was developed to streamline stock tracking, supplier management, and order processing for a mid-sized retail chain. The system enabled real-time inventory updates, automated stock alerts, and provided analytical reports to improve decision-making and reduce inventory costs.

- Developed and maintained backend functionality using Python and Django to manage product inventory, suppliers, and stock levels.
- Created database models in MySQL with indexing and query optimization to handle large product datasets efficiently.

- Implemented automated stock alerts for low inventory levels, improving supply chain efficiency.
  - Used GitHub for version control and followed Agile methodology for sprint planning and delivery.
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## SKILLS & TOOLS

- **Languages:** Python, JavaScript, HTML5, CSS3, SQL
  - **Frameworks & Libraries:** Django, Flask, React.js, Bootstrap, jQuery
  - **Python Libraries:** NumPy, Pandas, Requests, SQLAlchemy, JSON, CSV, Matplotlib
  - **Databases:** MySQL, PostgreSQL, Oracle
  - **Web Technologies:** RESTful APIs, AJAX, JSON
  - **Tools & Platforms:** Git, GitHub, AWS, Azure, Postman, Docker (basic)
  - **Methodologies:** Agile/Scrum, Test-Driven Development (TDD)
  - **Other Skills:** API integration, Authentication & Authorization (JWT, OAuth), Responsive Web Design
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## EDUCATION

- **B.E in Electronics & Telecommunication Engineering** | Pune University | **2015 – 2018** (60%)
  - **Diploma in Electronics & Telecommunication Engineering** | MSBTE | **2011 – 2015** (63%)
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