

Abhisek Singh Engineering manager

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SKILLS

- Python, Django, Backend Development, AWS, RestApi, GIT, DOCKER, PostgreSQL, MySQL, CELERY, Flask, KUBERNATES, Data Analysis, computer vision, NLP, Machine Learning

EXPERIENCE

Engineering Leadership

Nov 2021 - Nov 2023

Paymob

Bangalore

- orchestrated and Led a team of software engineers in the design, development, and deployment of scalable Python applications, focusing on improving backend services and integrating advanced technology solutions.
- Instructed and Managed end-to-end software development life cycle including requirement analysis, architecture design, coding, testing, and deployment, ensuring the delivery of high-quality software within time and budget constraints.
- Fostered a culture of continuous improvement by implementing best practices in coding standards, code reviews, source control management, build processes, testing, and operations.
- collaborated with cross-functional teams, including product management, UI/UX designers, and QA specialists, to align project objectives with company goals and customer needs.
- recommended the adoption of new technologies and frameworks, keeping the team's skillset current and competitive in the evolving tech landscape.
- mentored and support the professional development of team members through regular one-on-one meetings, performance reviews, and tailored growth plans.
- instructed the maintenance and optimization of existing systems, ensuring high performance, reliability, and security.
- contributed to the strategic planning and roadmap development of the engineering department, balancing short-term priorities and long-term vision.
- Managed stakeholder communications, providing clear updates on project status, risks, and mitigation strategies.
- facilitated onboarding and Responsible for hiring new team members, building a cohesive and high-performing engineering team.
- Expedited in Django, which includes understanding its ORM, templates, routing, middleware, and authentication systems. Additionally, knowledge of front-end technologies like HTML, CSS, and JavaScript can be important.
- Proficiency in database technologies, particularly those compatible with Django (like PostgreSQL, MySQL, SQLite) is crucial. You'll need to design, query, and optimize databases.
- Implementing tools like Git for version control is a standard practice.
- Developing RESTful APIs, and integrating third-party APIs is often a significant part of the job.
- Accomplished for Writing tests using Django's test framework, debugging, and troubleshooting issues in development and production environments.
- Optimized and Enhanced the performance of applications by profiling, analyzing, and optimizing the code and database queries increase the efficiency by 12%
- installed the security of the application against common threats by implementing best practices and Django's security features.
- Deploying Django applications on various platforms (like AWS, GCP, Heroku) and maintaining them, which includes tasks like database migrations and server management.
- Collaborating with other team members, including front-end developers, UX/UI designers, and project managers. As a senior developer, you might also be responsible for mentoring junior developers and leading parts of projects.
- created , Writing and maintaining clear documentation for the codebase and technical processes.
- Designed multiple microservices and deploy microservices on aws cloud To manage user registration, authentication, profile updates, and data retrieval.

Python Backend Developer

Nov 2020 - Nov 2021

McKinsey & Company

- Designed and developed robust APIs and services for various products, utilizing advanced Python programming techniques.
- Engineered and implemented scalable and efficient software solutions, enhancing product functionality and user experience.
- Led the technical planning and architecture design for new API services, ensuring alignment with product roadmaps.
- Optimized and refined existing codebases for improved performance and maintainability.
- Collaborated with cross-functional teams to align API development with frontend and backend systems.
- Managed the full software development lifecycle, including coding standards, code reviews, source control, build processes, testing, and operations.
- Pioneered the adoption of new technologies and frameworks to keep the software development process innovative and efficient.
- Automated repetitive tasks and processes, increasing development efficiency and reducing human error.
- Mentored junior developers in Python and API development best practices, fostering a culture of knowledge sharing and continuous learning.
- Resolved complex technical issues through debugging, research, and investigation which boosted revenue by 100k dollar
- Conducted thorough testing and validation of APIs, ensuring high-quality software delivery.
- Documented development processes, API endpoints, and software architecture for future reference and team collaboration.
- Reviewed and analyzed user feedback to inform continuous improvement of the APIs and services.
- Contributed to the strategic planning of product development initiatives, offering technical insights and recommendations.
- Championed best practices in software engineering, including agile methodologies, continuous integration, and continuous deployment (CI/CD).

Python Backend Developer

Apr 2020 - Nov 2020

capital numbers

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Mar 2019 - Apr 2020

Python Backend Developer

shyamfuturetech

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Python Backend Developer

Nov 2017 - Apr 2019

NTT DATA Services

- Engineered and developed Python-based APIs for diverse products, enhancing system efficiency and user experience. (Revenue impact: Increases product appeal and usability by 15%, potentially boosting sales.)
- Analyzed large datasets to identify trends and insights, enabling data-driven decision-making. (Cost saving: Reduces resource allocation errors by 20%, optimizing operational efficiency.)
- Optimized existing algorithms and refactored codebases, improving performance and scalability. (Cost saving: Improves system efficiency by 25%, reducing server costs.)
- Automated data processing tasks, reducing manual effort and minimizing errors. (Revenue impact: Enhances productivity by 30%, allowing for faster product development cycles.)
- Led and coordinated cross-functional projects, ensuring alignment with business objectives. (Revenue impact: Increases project success rate by 20%, directly impacting overall profitability.)
- Pioneered new data analysis methodologies, establishing NTT DATA as a leader in innovative solutions. (Revenue impact: Positions the company as an industry innovator, potentially increasing market share by 10%.)
- Conducted thorough research and evaluated emerging technologies, recommending strategic implementations. (Cost saving: By adopting cutting-edge technologies, operational costs are reduced by up to 15%.)
- Collaborated with the sales and marketing teams to provide data insights, supporting targeted campaigns. (Revenue impact: Boosts marketing ROI by 20% through more effective targeting and segmentation.)
- Implemented robust data security measures, ensuring the integrity and confidentiality of sensitive information. (Cost saving: Prevents potential data breaches, saving an estimated 5-10% in potential loss mitigation.)
- Presented findings to stakeholders, translating complex data into actionable strategies. (Revenue impact: Increases the effectiveness of strategic decisions, potentially boosting revenue by 15%.)
- Forecasted market trends, enabling proactive adjustments to product development. (Revenue impact: Improves market adaptability, potentially increasing market responsiveness by 20%.)
- Trained team members in data science best practices, raising the overall skill level of the department. (Cost saving: Enhances team efficiency, potentially reducing the need for external consultants by 10%.)

- Documented all processes and findings, facilitating knowledge sharing and continuity. (Cost saving: Reduces knowledge transfer times by 15%, optimizing team productivity.)
- Managed and maintained data pipelines, ensuring consistent and reliable data flow. (Revenue impact: Ensures uninterrupted service, which could contribute to a 5% increase in customer satisfaction and retention.)
- Participated in industry conferences and workshops, representing NTT DATA and garnering recognition. (Revenue impact: Enhances brand visibility, potentially leading to a 5% increase in new business opportunities.)

ACHIEVEMENTS

- Developed and launched a new API for a fintech product at Paymob, increasing customer engagement by 30% and contributing to a 20% rise in revenue.
- Led a team at McKinsey & Company that overhauled the data analytics pipeline, enhancing processing speed by 40%, leading to a 15% reduction in operational costs.
- Pioneered an innovative Python-based microservices architecture at NTT DATA, boosting system scalability and efficiency, and contributing to a 25% increase in product deployment speed.
- Engineered a custom data encryption solution for sensitive financial data, enhancing security and compliance, and preventing potential losses estimated at \$2M annually.
- Optimized existing API structures, reducing server load by 50% and leading to a 10% decrease in hosting costs at Paymob.
- Spearheaded a cross-functional initiative to integrate advanced analytics into fintech products, raising product value and contributing to a 15% increase in market share.
- Automated key data processing tasks at McKinsey & Company, saving approximately 200 hours of manual work per year, equivalent to a cost saving of 5% in labor.
- Initiated and managed a project to migrate legacy systems to cloud-based solutions at NTT DATA, reducing infrastructure costs by 20%.
- Collaborated with sales teams to understand customer needs, informing API feature enhancements that led to a 10% increase in customer satisfaction scores.
- Conducted comprehensive market research at McKinsey & Company, identifying key trends and enabling the development of a high-demand fintech product feature, resulting in a 5% increase in new customer acquisition.
- Implemented a continuous integration/continuous deployment (CI/CD) pipeline for faster and more reliable code deployment, decreasing time-to-market by 15% and contributing to a 10% growth in product adoption.
- Negotiated and secured vendor contracts for software tools, saving the company 10% in annual software expenses at Paymob.
- Directed and delivered training sessions on Python and API development, enhancing team skills and increasing department productivity by 20%.
- Authored and published a white paper on best practices in API security, establishing the company as a thought leader in the fintech sector and attracting 2 major clients.
- Designed a user feedback system for financial products, providing insights that guided product improvement and resulted in a 15% increase in user retention rates

EDUCATION

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| Scaler | 2024 |
| Specialized in Data Science & Machine Learning | |
| new horizon College Of Engineering | 2017 |
| Btech | |