PADMADHAR MISHRA

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PROFESSIONAL SUMMARY

Python Developer with 3 years of experience specializing in Django, Django REST Framework, and PostgreSQL. Skilled in developing scalable backend systems, RESTful APIs, and performance-optimized web applications. Adept at implementing authentication systems, automating workflows, and building dashboards for real-time monitoring and reporting. Focused on writing clean, maintainable, and production-ready code aligned with business goals.

TECHNICAL SKILLS

Languages: Python
Frameworks: Django, Django REST Framework
Databases: PostgreSQL, MySQL
Frontend: HTML, CSS, Bootstrap
Tools: Git, GitHub, GitLab
Concepts: MVT Architecture, RESTful APIs, Authentication, Middleware, Celery, JSON, Data Modeling, Data Visualization

PROFESSIONAL EXPERIENCE

Python Developer | MDP INFRA INDIA LTD.   Mar 2023 – Present | Bhopal, M.P.

• Optimized and refactored Django modules to improve data delivery and response time by 30%.
• Developed and maintained REST APIs for internal systems and external integrations.
• Implemented authentication and authorization workflows using Django's built-in systems.
• Automated quality checks and material management workflows, reducing manual errors in QA processes.
• Designed dashboards using Django Templates for real-time data visualization and officer monitoring.
• Integrated with NABL Accredited Laboratories for automated testing and report validation.

TECHNICAL HIGHLIGHTS

• Expertise in building modular Django applications using class-based views and ORM.
• Proficient in API development and third-party service integration.
• Strong understanding of database design, query optimization, and data integrity.

• Hands-on experience with Celery for asynchronous task management.

• Proficient in creating dynamic dashboards and custom reports for management use.

PROJECTS

QC Portal – qcportal.mpcz.in
• Developed a centralized system for vendor quality assessment and reporting.
• Automated quality validation workflows ensuring compliance with NABL standards.
• Built dashboards for officers to monitor performance metrics and contractor compliance.

ACR System – acr.mpcz.in
• Implemented secure OTP-based login for role-specific access.
• Automated PDF generation of officer assessments with tagging and representation management.
• Enhanced user feedback mechanisms for improved transparency and accountability.

Bill Correction Portal – https://billcorrection.mpcz.in:8087/main/Signin/?next=/
• Developed and maintained an online system for consumer bill correction and approval workflows.
• Implemented user authentication, role-based access, and automated validation for correction requests.
• Integrated dashboards to track approval timelines, request history, and consumer data analytics.

Centralized Dashboard – https://qccd.mpcz.in:8083/

•Designed and developed a centralized dashboard system for real-time data visualization and performance insights across multiple departments.

•Integrated 3+ REST APIs to consolidate user, transactional, and system data into a unified analytics view.

• Implemented Django Celery for asynchronous task scheduling, automated nightly updates, and optimized background data processing.

• Built customized visual dashboards using Chart.js and DataTables for dynamic filtering, drill-down reports, and KPI tracking.

• Ensured high scalability and data integrity with PostgreSQL and efficient ORM queries, improving data load time by 40%.

•Deployed with role-based access control and audit logging to ensure data security and compliance with departmental policies.

•Delivered actionable insights to the PA of the Energy Minister, enabling faster decision-making and real-time monitoring of key operational metrics.

ACHIEVEMENTS

- **Optimized and refactored** existing Python/Django modules, improving performance and data delivery efficiency by **30%**.
- **Developed the Turnkey Contractors (TKC) module** using advanced Django concepts such as class-based views and model relationships, streamlining contractor management workflows.
- **Implemented automated quality checks** for material receipt and storage, increasing operational reliability and reducing manual verification time by **40%**.
- **Integrated NABL-accredited laboratory systems** for standardized testing and certification processes, ensuring consistent quality control.
- **Customized quality dashboards** for real-time monitoring and improved decision-making, reducing reporting turnaround time by **25%**.
- **Applied Django templating** for dynamic content rendering, improving user experience and page responsiveness.
- **Enhanced authentication systems** by leveraging Django's built-in tools beyond token-based methods, improving application security.
- **Handled complex JSON data parsing and manipulation** for seamless integration between internal and external APIs.

EDUCATION

B.Sc. (IT) – MLCU, Bhopal (2010–2013)
 Intermediate – MP Board (2009–2010)