

PRASHANT MISHRA

Python Enthusiast | Backend Developer | Data Engineer

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[Prashant Mishra\(Flx0101-GIT\)](#)

WORK EXPERIENCE

Shapoorji & Pallonji Finance Limited (SPFPL)

Sept 2022 – Present

Senior Backend Developer (Retainership)

Sept 22– Mar 23: Consultant through “Revolo Infotech” for “SPFPL” as Backend Developer.

Apr 23 – Present: Retainership with “SPFPL” as Senior Backend Developer.

- **Led a team of 4 developers** in designing and defining architecture, databases, and processes for Loan Origination System (LOS), Co-Lender Module (CLM), and Loan Management System (LMS) from inception, adhering to standard software design process and **SCD principles for database**.
- **Developed the entire backend** for a loan management system using Python and Django, including detailed data history management and tracking, transaction management and reconciliation of data.
- **Directed a seamless data migration** from Salesforce-based LOS, Pennant LMS, and Ramson CLM to in-house systems, ensuring minimal downtime and data integrity.
- **Built a low-code API engine** for flexible third-party API integration using Python, enhancing external data consumption.
- **Developed in-house solutions** to replace external services for document creation, with advanced features like access control, document tracking, history management.
- **Implemented an ETL pipeline** using Python ensuring efficient data processing.
- Worked with diverse technologies including **Python, NodeJS, and AWS services** like SNS, SES, EC2, Cognito, S3, Secret Manager, and AWS MQ.

Larsen & Toubro InfoTech

Aug 2020 – Sept 2022

Data Engineer

- **Full stack development and data engineering** for LTI Canvas Sunshine & Data Auditor Tool, including a 3-tier web application supporting Azure SQL, Oracle, Postgres SQL, SQL server, Hive.
- Implemented **concurrency, context management across process, scheduler** (Cron based, Application based) resulting performance optimization and Flask as a Web Framework.
- **Optimized reconciliation performance**, reducing processing time for **100 million records on average** from **8-10 hours** to **40-45 minutes** using concurrency and batch processing with incremental load flexibility.

EARLY EXPERIENCE

Trakneo Technologies LLP

Jun 2019 – Jul 2019

Full Stack Developer Intern

- Built “Performance Marketing Software” for Email Marketing and Lead Tracker using NodeJS, AJAX, Bootstrap and MongoDB as a Database.

Skypath Digital

Jan 2019 – Mar 2019

Full Stack Developer Intern

- Developed a web app for a start-up product 360 Maximon. Performed requirement analysis and built user authentication, push notification and database integration using Flask, Bootstrap, JavaScript, Google Push Notifications.

Software Development Cell (KJSIEIT)

Jun 2018 – Jul 2018

Full Stack Developer Intern

- Built backend components including user management, post suggestions, notification alert for Alumni Portal. Technology stack that used was PHP, JavaScript, MySQL.

SKILLS

Programming & Frameworks: **Python (Certified), Django, NodeJS, JavaScript**

Databases: **SQL Server, PostgreSQL, MongoDB**

Cloud: **Azure Data Engineer, AWS**

Tools & Methodologies: **REST, ETL, GIT**

Additional: **Database/Application Designing, Problem Solving, Debugging, R&D, Optimization**

EDUCATION

K.J. Somaiya Institute of Engineering & Information Technology

2016 – 2020

B.E. (Information Technology) – **7.75/10** CGPA

PROJECTS

E- Varta (Smart India Hackathon – Government of India)

- Built a Webapp and Desktop platform to enable digital judiciary for Smart India Hackathon using NodeJS, ElectronJS, WebRTC.
- E-Varta supports video conferencing, court case management, court hearing processing.

URL: https://github.com/Flx0101/RK61_CheffSquad

Cloud Gaming (Gaming as A Service)

- Built Gaming as a service (Cloud Gaming) which allows playing games on remote server resources as a Final Year project using -NodeJS, Nginx, MongoDB, ElectronJS.
- Completed POC with small games such as Mario, Contra

URL: <https://github.com/Flx0101/C-Gaming>

Employee Tracking System (KJSIEIT R&D Cell)

- Built web app for location tracking employee of KIIAR (subsidiary of Somaiya Trust) during working hours.
- Performed requirement analysis and built user authentication frontend & backend, real-time location mapping, admin portal using PHP, Firebase, Material CSS.

PAPER PUBLISHED

Resource Optimization Based Cloud Gaming

- Published in SSRN and Presented in ICAST.

URL : https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3571744

Automated Parking System

- Published in SSRN and Presented in ICAST.

URL: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3274917

ACHIEVEMENTS

- ✓ **Innovator of the Year Award by SPFPL for solving technical/business problems.**
- ✓ **Prize Winner, MoBond Consultancy Private Limited (M-Indicator Hackathon)**
 - Built a community driven solution that tracks train location & delays on real-time basis with special tracking solution.
- ✓ **Finished in Top 5 in Smart India Hackathon by Government of India for E-Varta**
- ✓ **Letter of Appreciation for Project Presentation to NAAC**

HOBBIES & INTERESTS

Computer Games, Chess, Cricket, Reading Literatures/Book, Exploring Nature/History, Music