Sonu Singh

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Professional Summary

Software Engineer with 4.5+ years of experience in backend development, data engineering, and machine learning engineering. Delivers production-ready solutions and collaborates with cross-functional teams to drive project success. Skilled in Python, FastAPI, Django, React.js, Pandas, PySpark, and cloud technologies.

Skills

Programming / Frameworks: Python, FastAPI, Django, JavaScript, React.js, Pandas, PySpark
Cloud / Big Data: Azure Databricks, AWS, Celery, Docker
Databases: MySQL, PostgreSQL, MongoDB
Version Control: Git
Other Tools: Swagger/Redoc, JIRA
Technologies: Python, FastAPI, Django, JavaScript, React.js, Pandas, PySpark, Azure Databricks, AWS, Celery, Docker, MySQL, PostgreSQL, MongoDB, Git, OpenAI API, RESTful APIs, Swagger, JIRA

Professional Experience

Software Engineer, Dreamztech Solutions, Kolkata   May 2022 – Present

Project: Revrex Accounting Software (Client: Revrex)

- Enhanced core accounting modules using Python and FastAPI to process 50,000+ transactions monthly, automating bank reconciliation and generating Balance Sheet / Profit & Loss reports.
- Built CSV ingestion pipelines with Pandas and OpenAI API, classifying 100,000+ credit card transactions accurately, reducing manual effort by 70%.
- Implemented background tasks with Celery and real-time updates via WebSockets, supporting 500+ concurrent users.
- Integrated QuickBooks (COA, BS/PL, Transactions) and Gusto Payroll API, improving data synchronization speed by 40%.

Project: TestOps Tools (Client: AB InBev)

- Collaborated with Data Science team to productionize ML workflows; supported SVD, LR, and other models for A/B testing.
- Optimized PySpark code to process 2–3 million records in under 15 minutes, improving system efficiency by 50%.

Project: ERP System (Client: AICL India)

- Developed REST APIs for HRM, Lead Generation, Onboarding, and Sales Analytics modules using FastAPI, serving 10,000+ internal users.
- Integrated CallerDesk (anonymous calling) and Razorpay payment gateway with split-payment and auto-renewal, reducing manual payment reconciliation by 60%.

Web Developer, Ivan Infotech Pvt Ltd, Kolkata   Dec 2021 – Apr 2022

- Built a social networking platform for 200+ astrologers using React.js and Node.js, supporting 5,000+ daily users.
- Integrated real-time audio/video calling with Agora API, increasing user engagement by 35%.
- Reduced chat latency by 60% through WebSocket and API optimization.

Web Developer, Kreative Machinez Pvt Ltd, Kolkata   May 2021 – Nov 2021

- Developed an e-commerce application , serving 50+ daily users and processing 5,00+ orders per month.
- Implemented shipment tracking system using Shiprocket API, reducing delivery errors by 15% and improving customer satisfaction.

Education

University of Calcutta, B.Sc in Computer Science   2018 – 2021
CGPA: 7.1/10.0