

PRANBIR SARKAR

Senior Software Engineer at Dell

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SUMMARY

A competitive programmer (Cracked Google coding challenge), a certified scrum master, and a Full Stack Developer with expertise in the Backend. Over 8.9 years of experience in developing robust code for high-volume businesses and delivering impactful solutions. Successfully developed and delivered a diverse portfolio of products across banking, security, analytics, storage, and cryptocurrency domains. Proficient in Django Rest Framework, Django, Python 3, Flask, AWS, Temporal, Serverless, and Microservices architectures. Seeking a lead Python development role to utilize in-depth technical expertise and agile methodology for driving innovation and achieving business objectives.

SKILLS

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|-----------|-----------------|--------------|-------------------|
| • Python | • Docker | • HTML / CSS | • Deployment |
| • AWS | • Git | • JavaScript | • Team leadership |
| • Django | • Agile / Scrum | • ReactJs | • PostgreSQL |
| • DRF | • REST API | • Temporal | • Kubernetes |
| • Flask | • Splunk | • GCP | • Kibana |
| • FastAPI | • ElasticSearch | • Linux | • SOAP API |

PROFESSIONAL EXPERIENCE

Dell Technologies, Pune, Maharashtra
Software Senior Engineer

May 2022 – Present

- Led the team as Scrum Master and backup Product Owner, achieved a 95% on-time project delivery rate, boosting team productivity by 30%, and ensuring 100% alignment with business objectives.
- Developed and published a custom authentication library (used by 50+ teams) and implemented workflow automation with Temporal, significantly enhancing security (reduced unauthorized access by 90%) and operational efficiency (minimized manual intervention by 70% and increased automation by 45%).
- Conceived the PowerScale Operating System (OneFS) telemetry, healthcheck, CELOG modules, enhancing data collection efficiency by 30% through innovative monitoring tools.
- Facilitated the development of serverless orchestration features for OneFS, enabling seamless AWS Cloud deployment and supporting 186PB storage, decreasing deployment cost by 25%.
- Enhanced Dell's APEX portal with a unique microservice architecture, enhancing modularity and maintainability by 60%.
- Drove Dell's Generative AI initiative, leading to a 40% improvement in workplace efficiency through automation.

HCL Technologies, Pune, Maharashtra
Senior Consultant

April 2020 – May 2022

- Designed and developed applications using Python 3, Django, Flask, Redis, RQ, and Celery, contributing to systems used by over 400 banks worldwide.
- Architected a part of a private cloud system for banks, integrating products with 3rd party platforms and API services, supporting 400+ banks globally.
- Initiated an automated security scanner that processes 3000+ configuration scripts daily, enhancing system security.
- Collaborated with the CTO shared group to architect high-level and low-level designs for banking products and frameworks.
- Refined codebases and created unit tests with over 85% coverage, improving software reliability.

- Documented API functionalities using Swagger UI for 4+ codebases, standardizing API documentation.
- Accelerated development processes by 25% through rapid development methodologies.

InstaData, Pune, Maharashtra

March 2016 – April 2020

Senior Software Engineer

- Modernized a Competitor Analysis portal for a major Indian food retailer by implementing custom ETL pipelines, improving data processing efficiency.
- Orchestrated the setup of a large Cryptocurrency data lake for a Hong Kong-based firm, managing extensive datasets.
- Administered various AWS services, including IAM, EC2, S3, and Redshift, optimizing cloud resource management.

Full Stack Developer

- Redesigned a real-time traffic system for a US state government, enhancing decision-making processes using 20TB+ of data.
- Integrated Bombay Stock Exchange APIs for a leading investment firm, enhancing product offerings.

Frontend Developer

- Designed multiple analytical charts and graphs using HighCharts v5 and Google Charts, enhancing data visualization capabilities.
- Integrated Google APIs, including Map API v3, into the main product, improving user experience and functionality.

OTHER ACHIEVEMENTS AND ACTIVITIES

- Won the India region in a hackathon and became a global finalist by innovating on-the-air microservice update functionality, which streamlined system updates and decreased downtime by 90%.
- Secured 2nd place in the Hackathon organized by the CTO of the Bank by implementing Canary Deployment.
- Awarded 1st rank in the Python week organized by the company.
- Cracked the Google Coding challenge till level 4 and received the opportunity to explore Google India.
- Secured vendor certification for federal governments, featured in CIOReview as one of the top 20 data analysis solutions.
- Enhanced the security system of the main product of the company that processes 20TB+ of data.

EDUCATION

Master of Computer Application - PG

IGNOU, Pune, MH

Division: First Class

Bachelor of Computer Application - UG

IGNOU, Pune, MH

Division: First Class