

Prasad Bankar

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SUMMARY

Software Developer with 3+ years of experience building data-intensive systems and mobile applications. Specialized in Python, Java, and distributed systems, with proven success in developing ML-powered analytics tools and high-throughput data pipelines.

EXPERIENCE

Software Developer Intern

July 2024 – Present

Syracuse University

Syracuse, NY

- Developing a Natural Language Processing pipeline using Python and spaCy for resume parsing system, achieving 85% accuracy in entity recognition through custom models for enhanced candidate matching.
- Engineering an automated skill-gap analysis pipeline processing 1,000+ job descriptions, leveraging statistical analysis to identify trends and contributing to strategy development for improved recruitment outcomes.
- Optimizing data-driven decision-making by improving matching accuracy by 70%, leveraging data engineering best practices to scale the pipeline, enhance data integration, and deliver actionable insights for recruitment teams.

Graduate Teaching Assistant

August 2023 – May 2024

Syracuse University

Syracuse, NY

- Designed and implemented mobile applications using Android (Kotlin) and iOS (Swift), emphasizing modular architectures, robust design patterns (MVVM, MVC), and performance optimization.
- Enhanced student comprehension of mobile app architecture and design patterns through practical demonstrations and hands-on projects, emphasizing clean code principles and industry best practices.
- Mentored and guided students in developing over 10 fully functional mobile applications, focusing on performance optimization, delivering exceptional user experiences, and implementing platform-specific features.

Software Engineer

January 2019 – February 2022

Infosys

Pune, India

- Engineered scalable Extract, Transform, Load (ETL) pipelines using distributed frameworks such as Apache Spark and Hadoop in Scala, reducing data processing time by 50% for 100+ million healthcare records from CosmosDB to Google BigQuery.
- Architected, deployed, and meticulously monitored resilient, fault-tolerant data workflows on Google Cloud Platform (GCP), leveraging Apache Airflow and Docker to ensure high availability and zero data loss.
- Optimized data partitioning and storage strategies in Google BigQuery, leveraging columnar storage and clustering techniques to improve query performance by 60% while significantly reducing storage costs for large-scale healthcare datasets.
- Collaborated in Agile environment with cross-functional teams to deliver HIPAA-compliant solutions, ensuring 100% data integrity and reducing project delivery time by 25%.

PROJECTS

Self-Hosted House Management App | Go, PostgreSQL, RESTful APIs

January 2025 – Present

- Architecting a modular, scalable backend using Go and PostgreSQL, enabling multi-tenancy and efficient management of shared household tasks, expenses, and schedules through robust RESTful APIs and secure user authentication protocols.
- Implemented advanced indexing and query optimization techniques in PostgreSQL, improving data retrieval performance by 35% in high-concurrency environments, thereby ensuring seamless scalability and rapid access to critical application data.

Online Bookstore System | Java, Spring Boot, MySQL

March 2024 – December 2024

- Developed a RESTful API for an online bookstore using Java, Spring Boot, and MySQL, optimizing database queries to handle large book inventories with high efficiency.
- Implemented pagination, caching and sorting mechanisms, optimizing query performance and reducing response time by 30% for large dataset requests and enhancing overall system responsiveness and user experience.

SKILLS

Languages: Python, Scala, Go, Java, Kotlin, Swift

Frameworks & Libraries: Apache Spark, Hadoop, Hive, Kafka, Spring Boot, NLTK, Flask, Android, iOS

Databases & Data Storage: MySQL, PostgreSQL, Google BigQuery, CosmosDB

Cloud Platforms & DevOps: Google Cloud Platform (GCP), Azure Cloud, Docker, Jenkins, Apache Airflow

Tools & Technologies: Git, GitHub, CI/CD, Agile methodologies, RESTful APIs

EDUCATION

Syracuse University

August 2022 – May 2024

Master of Science, Major in Computer Science

GPA: 3.9