Dakshinamoorthy K

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GitHub | LinkedIn

Summary

High-impact Software Engineer of 4 YoE, with proven expertise in petabyte-scale data platforms and building mission-critical low latency (sub- 10 ms) services. Leads teams, drives cross-functional initiatives, and applies DevOps/SRE best practices to deliver resilient, high-performance systems.

Skills

Languages: Python, Java, Kotlin, Go, Scala, JavaScript, TypeScript, SQL
Data & Backend: Spark, Airflow, Spring, Pandas, Django, JUnit, AWS, Node.js, PostgrSQL, Redis, MongoDB
DevOps & SRE: Terraform, Docker, Kubernetes, CI/CD, GitHub Actions

Experience   4+ Years

Senior Backend Engineer, FinBox – Bengaluru, India   FEB 2025 – Present

- **User Authorization Service:** Built a centralized service with Keycloak and OPA to unify user authentication and permission management across the full suite of 20+ FinBox products.
- Achieved <10 ms latency on critical AuthN/AuthZ operations with flexible, fine-grained access policies.
- Led cross-team initiative to overhaul user onboarding process, cutting turnaround time for 5,000 users to 1 day.

Full Stack Software Engineer, Sahaj Software – Chennai, India   AUG 2021 – FEB 2025

- **Advertising Platform Expansion:** Enabled product expansion into two new markets (US & Canada), driving a 7x increase in the platform's data footprint from 500 TB to 3.5 PB.
- **High Throughput Data Pipeline:** Re-designed critical reporting pipelines to manage massive data growth, cutting processing time for 25 TB of data by 90% (4.5 hours to 30 minutes).
- **API Improvements:** Eliminated performance bottlenecks, cutting P99 latency by 60% under sustained load.
- **AI-Powered Search:** Engineered an intelligent search platform combining OpenAI and ElasticSearch, enabling non-technical users to find resources via free-text queries across 10+ feature categories.
- **ML in Talent Acquisition:** Designed, trained, and deployed an adaptive ML model to identify and prioritize candidates with the most potential, reducing time-to-hire by 50%.
- **Technical Leadership & Mentorship:** Led a team as the only senior with 5 junior engineers, owning feature planning and delivery while reducing operational costs by 30% through infrastructure optimization.
- **Legacy System Modernization:** Modernized a decade-old legacy platform by resolving key bottlenecks, improving response times by 80% and enabling 10x data scalability under extreme time constraints.

Projects & Contributions

Open Source Contributions   *Contributor*

- Collaborator on widely-used open source data engineering and API tooling projects, including Apache Airflow, Marquez, and Bruno.

Community Engagement & Technical Writing   *Speaker & Author*

- Led technical workshops on Clean Code principles, gave lectures at Cloudera on building data intensive systems with Apache Airflow.
- Prolific public speaker & writer - Blogs on optimizing slow lookup queries, talks on open source, team leadership, and data platform design.

Education

SSN College (Anna University) – Bachelors, Computer Science   Aug 2021