

PRAKHAR SINGH

Founding Engineer @ Devzy AI · ex-VP Engineering @ Deutsche Bank

☎ +91-9569807894 · ✉ prakharsingh007@gmail.com · 🌐 singh-prakhar · 📁 prakharsingh

Professional Summary

Engineering Leader with 11+ years across frontend architecture, distributed systems, and AI developer tooling – driving large-scale digital transformation in FinTech, EdTech, and E-commerce. At Deutsche Bank, built and led a 30+ global engineering team delivering €35M+ annual revenue uplift through an AI-driven trading automation platform. Combines strategic leadership (org design, AI adoption, technical roadmapping) with hands-on expertise in JavaScript, distributed systems, and ML pipelines. Proven track record in both high-growth product environments and complex enterprise organizations.

Skills

Leadership & Management: Engineering Strategy, Roadmapping, OKRs, Mentoring, Agile (Scrum, Kanban), Hiring, Stakeholder Engagement.

Core Technologies (Web/Mobile): JavaScript (ES6+), TypeScript, Node.js, Python, GoLang, React.js, ReactNative.

Data & Infrastructure: Distributed Systems, REST, GraphQL, APIs, MongoDB, PostgreSQL, Redis.

Cloud & DevOps: AWS, GCP, K8s, Docker, Terraform, CI/CD (GitHub Actions/Jenkins), Observability (Langfuse, Sentry, Datadog).

AI & Data: Artificial Intelligence (AI), Machine Learning (ML), Generative AI (GenAI), Large Language Models (LLMs), Predictive Analytics, RAG, DPO, GPT.

Work

Founding Engineer

Devzy AI

Remote

Aug 2025 - Current

Devzy AI is a pre-seed AI DevTools company building an agentic AI system for automated code review and developer workflow integrations.

- Built an MVP agentic AI system for automated code review, leveraging multi-model orchestration (LLMs + tools) to evaluate code quality, security, and architecture within developer workflows.
- Designed end-to-end validation pipelines combining LLM reasoning with static analysis, test execution, and security checks, improving signal quality of automated reviews.
- Implemented model routing and evaluation frameworks to balance accuracy, latency, and cost, along with feedback loops to reduce false positives.

- Integrated compliance-aware validation (GDPR, HIPAA, PCI-DSS, SOC 2 aligned) and shipped CLI/PR/IDE integrations enabling near real-time feedback in the SDLC.
- Delivered developer workflow integrations (CLI / PR / IDE hooks) enabling near real-time feedback within the Software Development Life Cycle (SDLC).
- Partnered with founders to define MVP scope, product direction, and validation strategy for an AI-first DevTools platform.

Vice President, Engineering

Deutsche Bank (DWS)

Pune, Maharashtra

Apr 2023 - Jul 2025

Working for The DWS Group GmbH & Co. KGaA (DWS), one of Deutsche Bank's associated, publicly traded asset managers. As Vice President of Engineering, I led a global cross-functional engineering organization delivering AI-driven trading automation and predictive analytics products.

- Spearheaded a global cross-functional engineering organization of 30+ across India, UK, and Spain.
- Delivered a €35M annual revenue uplift by launching an Artificial Intelligence (AI) and Machine Learning (ML)-driven trading automation platform and predictive analytics dashboards.
- Built proprietary AI models and pipelines for anomaly detection, underwriting automation, fraud prediction, and incident response.
- Evaluated and integrated LLMs, RAG systems, and real-time data-driven architectures.
- Integrated generative AI copilots and LLM-based assistants into engineering workflows, boosting developer productivity by ~25%.
- Drove implementation of an observability stack (Sentry, Datadog), reducing MTTR by 40%.
- Established the UI Platform for DWS, standardizing design language, components, and observability tools.
- Directed cross-functional execution with product, QA, UX, and DevOps across multiple time zones.
- Created a career progression framework for engineers, improving retention and mobility by 30%.

Principal Engineer

Noon Academy

Bengaluru, Karnataka

Sep 2021 - Feb 2023

Noon Academy is an EdTech platform serving millions of students across 8 countries with multi-platform exam modules and adaptive learning. As Principal Engineer, I led mobile and web platform engineering, performance optimization, and AI-driven personalization.

- Unified the mobile codebase by integrating React Native, improving app consistency and developer efficiency.
- Reduced app load time by 50% through lazy loading, bundling optimizations, and aggressive performance tuning in React Native and Web.

- Delivered multi-platform exam modules used concurrently by over 2 million students during peak academic seasons, ensuring 99.9% uptime and stability across 8 countries.
- Created native plugins for performance optimization; standardized component libraries and UX patterns.
- Implemented AI-driven personalization features (adaptive learning paths, content recommendations), improving student engagement metrics by 20%.
- Mentored the UI engineering team and improved development velocity and cross-team collaboration.
- Adopted AI-assisted QA automation and anomaly detection for faster release cycles and reduced defect leakage.

Assistant Vice President

Deutsche Bank (DWS)

Pune, Maharashtra

Jun 2018 - Sep 2021

Working for The DWS Group GmbH & Co. KGaA (DWS), one of Deutsche Bank's associated, publicly traded asset managers. As Assistant Vice President, I led front-end engineering for key financial groups, building multi-channel UIs and contributing to the bank's Core Platform UI Libraries.

- Led development of multi-channel User Interfaces for key financial groups (Funds Treasury, Regulatory Reporting), ensuring uniform UX across web, mobile, and desktop platforms.
- Directed a team of 10+ engineers, defining technical roadmaps and implementing a formal coaching and mentoring program to accelerate team growth.
- Successfully managed project delivery across global stakeholders (Architects, PM, UX, QA) located in Pune, Frankfurt, London, and New York.
- Architected and contributed to the bank's Core Platform UI Libraries, driving component reuse and long-term strategic goals.
- Encouraged the adoption of best practices within the team – Agile delivery, TDD, peer reviews, brown bag sessions, etc.
- Actively involved in lateral and graduate hiring programs. Contributed to tech challenges, quizzes, and interviews.

Senior Software Engineer

Noon E-Commerce

Gurugram, Haryana

Aug 2017 - Jun 2018

noon.com is an e-commerce platform with a large catalog targeting customers in UAE, Saudi Arabia, and Egypt. As Senior Software Engineer, I owned the front-end of the entire logistics and supply chain across several web and mobile applications.

- Drove front-end development for logistics and supply chain systems.
- Delivered pixel-perfect UIs in close collaboration with design and backend teams.
- Coached junior engineers, accelerating their onboarding.
- Deployed mission-critical projects on AWS and GCP.

Senior JavaScript Engineer

TalkValley LLC

Remote

Jul 2016 - Aug 2017

mentorstudents.org is a US-based product startup that connects prospective students with current/ex-students and hiring managers via recorded video interviews. As Senior JavaScript Engineer, I owned the front-end and backend of the recording, transcription, and listing pipeline.

- Led development of a video interview platform using WebRTC.
- Managed a remote team of 5 engineers and trained interns.

Web Developer

Simsaw Software Pvt. Ltd.

Mohali, Punjab

Jul 2014 - Jul 2016

Simsaw Software (formerly Pink Hand Technologies) is a service-based company with multiple US-based clients. As Web Developer, I built high-performance and scalable web and mobile applications.

- Delivered full-stack solutions using Node.js, AngularJS, React.js, and other open-source JavaScript libraries.
- Created technical documentation and implemented unit tests.
- Collaborated in agile teams to deliver client solutions.

Education

Master of Computer Applications

Maharishi Markandeshwar University

2011 - 2014

Bachelor of Computer Applications

Chhatrapati Shahu Ji Maharaj University

2008 - 2011