

Abhishek Singh

linkedin.com/in/prochnost55 | aks3555@gmail.com | +91 7895638861 | prochnost.vercel.app

SUMMARY

Technical Lead / Senior Software Engineer with 6+ years of experience building web applications and backend services. Strong in frontend architecture, system design, performance, scalability and technical leadership.

CORE SKILLS

LANGUAGES

TypeScript • JavaScript • SQL

FRONTEND

Angular • React • NgRx • Redux
Frontend Architecture • Web Performance

BACKEND

Node.js • REST APIs • API Design

DATA / SYSTEMS

PostgreSQL • Prisma • MongoDB • Redis
System Design • Read Models • Transactional Outbox

CLOUD / TOOLS

AWS • S3 • CloudFront • Amplify
Docker • Sitespeed • Sentry

LEADERSHIP

- Lead **7 developers + 2 QA**; previously led **5 UI developers** and up to **10 developers**.
- Own technical planning, estimation, design reviews and cross-team technical coordination.
- Hands-on in architecture, implementation and performance/scalability initiatives.

EDUCATION

M.S. COMPUTER SCIENCE

WOOLF

Jan 2024 -- Sep 2025

B.TECH. CIVIL ENGINEERING

GBPIET

2016 -- 2020 | Uttarakhand, India

Grade: 82%

EXPERIENCE

DOVER CORPORATION | TECHNICAL LEAD

Jan 2026 -- Present | Bengaluru, India

- Lead **7 developers + 2 QA engineers**; own technical planning and estimation, conduct design/code reviews, and coordinate technical delivery across teams.
- **Architected Skill Management v2**, a modular platform for skills, trainings, assignments, qualifications and analytics using **PostgreSQL, Prisma, transactional outbox** and projection-based read models.
- Designed effective-assignment projections to resolve direct and indirect assignments across users, teams, skill profiles, skills and trainings, avoiding repeated graph computation during reads.
- Personally implemented the **Catalogue, Assignment and Analytics** modules and Intercom-based event/outbox integration for asynchronous processing.
- Validated the Skill Management architecture against scenarios covering **10K users, 1K teams, 5K skills and 5K trainings**.
- Reduced **FCP/LCP from 10+ seconds to <2 seconds** through dependency/asset optimization and migration of static content from EC2 to **S3 + CloudFront**; used Sitespeed for measurement.
- Diagnosed and fixed an authentication-middleware bug that bypassed Redis and caused unnecessary database calls, removing the application's previous **~100-user concurrency bottleneck**.
- Currently lead **Skill Management and Multi-operator Job Execution** initiatives while remaining hands-on with design and implementation.

DOVER CORPORATION | SOFTWARE ENGINEER II

Apr 2024 -- Dec 2025 | Bengaluru, India

- Led major parts of a **30-40 screen React → Angular 18 migration** while the product shifted from assignable Work Instructions to a Training-based model composed of multiple Procedures.
- Started the migration without prior Angular experience, ramped up in ~2 months and took ownership of major implementation areas.
- Executed the migration incrementally over ~4 months, running React and Angular together across releases so new features could continue shipping while React was progressively phased out.
- Designed and implemented a reusable **Angular/NgRx execution engine** supporting Job and Training workflows through shared lifecycle, step state, user inputs, progress tracking and persisted execution state.
- Built Training Execution and the frontend/backend integration required for the redesigned workflows, including procedure versioning and submission/sign-off.
- Expanded Mentor with **user management, site/workspace management, job execution, procedure change logs and system-wide translations**.

SELECTED IMPACT

DOVER

10K users tested
1K teams tested
5K skills tested
5K trainings tested
10s+ → <2s FCP/LCP
~100-user bottleneck removed

KOMMUNICATE

3,000 concurrent agents
33% adoption increase
450ms → 250ms API latency
5s → <2s load time
40+ integrations
99.9% crash-free sessions

TECHNICAL FOCUS

System Design
Frontend Architecture
Performance Engineering
Scalability
API Design
Event-driven Systems
Projection / Read Models
Technical Leadership

LINKS

GitHub:// [prochnost55](#)
LinkedIn:// [prochnost55](#)
Website:// [prochnost.vercel.app](#)

AWARDS

2023 • Emerging Leader
2023 • Extra Mile Award
2022 • BugBash Winner
2022 • Best Performer

EARLIER EXPERIENCE

KOMMUNICATE | SDE II

Aug 2022 -- Apr 2024 | Bengaluru, India

- Scaled the agent dashboard to support approximately **3,000 concurrent agents**, supporting large customer deployments and collaborating on backend/API enhancements.
- Built **Flow Designer**, a node-based React UI with reusable components and Redux state management, contributing to a **33% increase** in Kompose adoption.
- Optimized Analytics with SQL indexes and Node.js changes, reducing API response time from approximately **450ms to 250ms**.
- Migrated the chat widget to AWS Amplify/CDN-backed delivery, reducing website load time from approximately **5s to <2s**.
- Redesigned the Integrations UI using React and Redux, enabling integrations with **40+ platforms** and reducing integration-related support queries by approximately **60%**.

KOMMUNICATE | SOFTWARE ENGINEER

Nov 2020 -- Aug 2022 | Bengaluru, India

- Led a team of **3 engineers**, providing technical guidance and mentorship during a period of rapid product development.
- Implemented Sentry monitoring and error tracking, contributing to approximately **99.9% crash-free sessions**.
- Integrated Kommunicate with Twilio and Dialog360 for WhatsApp use cases and implemented dashboard localization using i18next.
- Resolved critical UI and reliability issues, contributing to an **NPS of 30**.

ADDITIONAL TECHNICAL EXPERIENCE

- Hands-on experience across frontend and backend boundaries, including React/Angular applications, Node.js APIs, SQL optimization and Redis-backed services.
- Experience designing incremental application migrations that allow new features to ship while legacy functionality is progressively replaced.
- Experience building reusable frontend execution/workflow architectures with centralized state, lifecycle transitions, persisted progress and context-specific API adapters.
- Experience with performance measurement and optimization using Web Vitals, Sitespeed, CDN delivery, asset optimization and application loading strategies.