PRANJAL SRIVASTAVA

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SUMMARY

Full-stack engineer who builds reliable web applications end to end: React/TypeScript frontends, RESTful APIs in Node/Express and Java/Spring, and SQL-backed data models with strong auth and RBAC. I design clean interfaces and resilient backends, document contracts with Swagger/OpenAPI, and ship with CI/CD and Dockerized workflows. Comfortable working across data modeling, caching, pagination, and error handling, while optimizing UX for accessibility, performance, and maintainability. I prefer pragmatic architectures, clear logs/health checks, and repeatable runbooks so teams can iterate quickly and safely.

CORE SKILLS

Languages & Frameworks: Java, Python, TypeScript/JavaScript, Node.js/Express, React, SQL
Backend & APIs: RESTful design, authentication/authorization (RBAC), pagination, validation, Swagger/OpenAPI, JSON feeds
Frontend & UI: Component architecture, forms/validation, state management (Context/Zustand), responsive layouts, accessibility (ARIA, focus)
Data & Storage: SQL modeling and tuning, query optimization, caching strategies, client storage (IndexedDB/localForage)
DevOps & Quality: Git/GitHub Actions CI, Docker, health checks/observability basics, tests and regression checklists, Agile/Scrum
Security & Governance: RBAC, input validation, audit logging, change control
Cloud & Deployment: Static hosting (GitHub Pages), Vercel serverless APIs, ngrok, CORS

EXPERIENCE

Tinker Tech Logix - Software Developer   Apr 2024 - Sep 2025
- Designed and implemented REST APIs (CRUD, auth, pagination) with clean modular services and strong validation.
- Built and refined React/TS frontends across admissions, fees, exams, and results modules with reusable components.
- Optimized SQL schemas and queries; introduced caching for high-traffic screens to improve responsiveness.
- Documented API contracts with Swagger/OpenAPI and improved error handling and retry patterns across the stack.
- Added unit/integration tests and GitHub Actions CI; containerized services with Docker and added health checks.
- Practiced code reviews and staged rollouts with rollback steps; maintained runbooks and onboarding docs.

ECS - Intern, Cloud Server & Data Management   May 2019 - Aug 2019
- Supported cloud migration planning, stability hardening, and performance tuning for data workloads.
- Assisted with backup/recovery procedures and contributed to scale-out planning and data handling policies.

SELECT PROJECTS

Vanessa - Voice AI Acquisitions Agent (Node/Express + React Dashboard) | Repo + Demo Packet
- Backend endpoints (/vapi/events, /api/leads, /health) with deterministic rules; CORS/ngrok setup for stable dev and demo flows.
- Frontend dashboard renders live lead statuses with readable tables/cards, filters, and helpful empty/error states.
- Lightweight ops: health feeds and runbook for quick troubleshooting; packaged for repeatable demos.

Private Doc Chat - On-Device RAG (Browser-Only) | GitHub Pages
- Client-side PDF Q&A; with local embeddings and WebLLM (WebGPU); zero backend and zero paid APIs for privacy and portability.
- Implemented chunking and cosine Top-k retrieval with similarity thresholding and quote-only answers with citations.
- IndexedDB storage and Service Worker offline shell; simple API-like JSON data contracts for predictable behavior.

Hallucination Guard - Client-Side LLM Evidence Checker (React + TS)
- Evidence-first UI and retrieval pipeline that checks each claim against user-provided documents entirely in-browser.
- Clear Review -> Sources -> Report flow with downloadable outputs; designed for clarity and trust.
- Static deployment with CI/CD; telemetry hooks and logs for quick triage during demos.

EDUCATION

M.S., Computer Science - Texas A&M; University - Corpus Christi   **2022 - 2023**
B.Tech., Computer Science - SRM Institute of Science and Technology   **2017 - 2021**

CERTIFICATIONS

- micro1 - Certified Software Engineer (AI Interview), Sep 2025
- Complete ServiceNow Developer Course (Udemy)
- Programming in Python for Everyone (Coursera)
- ChatGPT Prompt Engineering for Developers
- Building Real-Time Video AI Applications (Nvidia)