SHRESTY BOHRA

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SUMMARY

Backend-focused Software Development Engineer II with nearly 2 years of experience building Node.js/TypeScript microservices and REST APIs on PostgreSQL and AWS, from design to production. Founded 3 production microservices from their first commit and own 4 of 6 modules on an internal platform end to end, including BFF orchestration, API-gateway routing, scheduled batch jobs and idempotent third-party sync. Shipped speech-to-text and LLM-based summarization into a production field-operations platform used by 200–300 operations staff.

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, Java
Backend & APIs: Node.js, Express, Hono, REST APIs, microservices, backend-for-frontend (BFF), API gateway routing
Databases: PostgreSQL: schema design and migrations, trigram similarity, phonetic matching, indexing, query optimisation, transactions, audit logging
Frontend & Cloud: Angular, Angular Signals, RxJS, progressive web apps (service workers); Amazon Web Services (AWS): S3, SES; Redis, background schedulers
AI, Integrations & Practices: LLM summarisation, speech-to-text, third-party CRM APIs, idempotent sync; CI/CD, code review, Git, Bitbucket Pipelines, Jira, Agile

EXPERIENCE

Software Development Engineer II, Backend Platform
Educational Initiatives, Ahmedabad, India | 09/2026 – Present

- De-duplicated production user identities (110+ people holding 250+ separate logins), consolidating each onto one surviving account and remapping their content, orders, leads and school associations.

Software Development Engineer
Educational Initiatives, Ahmedabad, India | 09/2025 – 09/2026

- Owned a field-operations module from first commit to production: visit lifecycle APIs, GPS-verified check-in and check-out, and a capture layer putting notes, photos and attachments on S3 behind a single atomic media API, through to the Angular UI and an installable progressive web app.
- Integrated speech-to-text transcription and LLM summarisation so meeting minutes are drafted from captured voice notes, after a build-versus-buy cost comparison of audio-to-text vendors.
- Owned a funder-facing sales and client-relationship module end to end (PostgreSQL schema, Node.js and TypeScript APIs, BFF orchestration, API-gateway routes and Angular UI) through pilot, UAT and 4 production releases.
- Built a document upload, approval and contract workflow across 4 microservices, with S3-backed file versioning and an edit model that preserves the audit trail by attaching new evidence rather than replacing the original.
- Migrated a live production service of roughly 92,000 lines onto a clean-architecture layout across domain, application, infrastructure and presentation layers.

Software Development Engineer Intern
Educational Initiatives, Ahmedabad, India | 01/2025 – 09/2025

- Founded 3 production microservices from their first commit, 2 now core platform infrastructure: client and organisation master data, a BFF layer resolving one interface call across client, user, order and payment services, and payments (installments, first invoices).
- Designed PostgreSQL trigram and phonetic fuzzy search tolerant of abbreviations, typos and partial names, surfaced as live duplicate detection at the point of client creation.
- Built an Excel bulk-upload pipeline over S3 with a scheduler and validation stage, and a bi-directional CRM integration using SHA256 authentication and idempotent upserts.
- Replaced student-by-student manual activation across 300 schools with bulk activation: operations select and confirm once, a scheduled job processes them in batches, and failures are emailed back rather than silently dropped.

Data Science Intern
LTIMindtree, Mumbai, India | 05/2024 – 07/2024

- Built a recommender system (wide-and-deep networks, matrix factorisation and collaborative filtering) and a chatbot on Gemini AI.

EDUCATION

B.Tech., Computer Science & Engineering | Pandit Deendayal Energy University, Gandhinagar | 2021 – 2025 | CGPA 9.49/10

ACHIEVEMENTS

- All India Rank 46, NCAT 2022
- Selected for Amazon ML Summer School 2024
- Published "Advancements in Modern Steganography Techniques for Enhanced Data Security", IEEE Xplore, 2024: ieeexplore.ieee.org/abstract/document/10498587