

Parth Shah

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Software developer with 3 years of experience in product- and service-based startups building high-throughput APIs and microservices in Node.js, Java & Spring Boot on AWS and Docker/Kubernetes.

SKILLS

- **Languages & Scripting:** JavaScript • Java • TypeScript • Node.js • Python • C++ • SQL
- **Frameworks & Libraries:** Express • Spring Boot • Kafka • RabbitMQ • GraphQL • React • WebSockets
- **Cloud & DevOps:** AWS • Lambda • S3 • ECS • Docker • Kubernetes • GitHub Actions • Terraform • Jenkins
- **Data, Auth & Testing:** MongoDB • Postgres • Redis • OAuth 2.0/JWT • AES-256 • TDD • Jest • Mocha

WORK EXPERIENCE

Expense Trend Inc. • Calgary, Alberta

Aug 2024 - Oct 2024

Backend Developer

- Re-architected REST APIs, **reducing latency 40% and increasing checkout conversion 20%**.
- Designed Kafka event streams that sustained **99.8% uptime during triple traffic spikes**.
- Integrated Plaid, Yodlee and SaltEdge for real-time sync, **improving data accuracy 30%**.
- Hardened auth with OAuth 2.0, JWT and AES-256; passed **SOC 2 readiness audit**.

Adrixus Tech Studio Pvt Ltd • Vadodara, Gujarat, India

Apr 2021 - Nov 2023

Full Stack Blockchain Developer

- Led migration from monolith to microservices (Node.js, Kafka, RabbitMQ), **cutting latency 50%**.
- Built a real-time social media analytics dashboard for influencers and brand campaign insights, reducing reporting lag by 90%.
- Automated influencer-brand comms via WhatsApp, Instagram Graph and YouTube APIs, **reducing manual effort 70%**.
- Implemented Stripe and Razorpay payments, **boosting revenue-collection efficiency 35%**.
- Supported **10 000+ daily crypto transactions at 99.8% uptime** with multi-sig auth and RBAC.
- Implemented Redis caching and optimised Postgres indexes, **reducing API latency 45% and lowering AWS RDS costs by 22%**.
- Established Docker-based GitHub Actions CI/CD with unit, integration and contract tests, **raising code coverage to 85% and shrinking the release cycle from weekly to daily**.

EDUCATION

Master of Applied Computing • Wilfrid Laurier University • Waterloo, ON • GPA: 3.81/4.0

Jan 2024 - Apr 2025

BTech in Information Technology • Birla Vishvakarma Mahavidyalaya • Vallabh Vidyanagar, India

Jun 2017 - May 2021

PROJECTS

EnLock: Encrypter Locker (Javascript, Kafka, AES-256/RSA, ZooKeeper)

- Engineered file store handling **10 GB/s peak and 5 000 RPS** with REST & gRPC APIs and Redis rate limiting.
- Applied RSA key exchange and AES-256 chunk encryption; achieved **99.9% SLA** and SOC-2 audit logging.
- ZooKeeper-orchestrated cluster provides **<3 s automatic fail-over**; Docker + K8s CI/CD enables weekly releases.

Agriculture Management PWA (Node.js, Angular, MongoDB, Mapbox)

- Deployed inventory & client management for **600+ field users**, raising operational efficiency **50%**.
- Mapbox GPS tracking cut manual reports **50%** and optimised logistics routing.
- Offline-first service-worker sync and RBAC maintained **99% uptime** in 2G zones while protecting PII.

AI-Powered ToDo App (Next.js, Convex, OpenAI, Vercel)

- Built vector-search layer and GPT-4 suggestions, answering queries in 30 ms and streamlining task planning.
- Implemented Google OAuth with NextAuth v5 and AES-256 key rotation.
- Released responsive Tailwind + shadcn/ui interface meeting WCAG 2.1 AA; global CDN keeps loads under one second.