

Pranav Jain - Tech Lead | Backend & High-Throughput Systems

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EMPLOYMENT HISTORY

1. BrowserStack (Mumbai, MH, India)

Tech Lead - App Low Code Automation (Founding Engineer)

JUN 2025 - PRESENT

- Architected the backend ecosystem and DevOps deployment pipelines from scratch for a new business unit, earning a 'Champion Award' for a highly successful alpha launch.
- Engineered the core DSL-to-action algorithm that parses natural language into automated test commands, integrating AI to power scalable systems for enterprise customers.
- Secured 7 enterprise customers and generated ~\$95k in pre-launch revenue without marketing support.
- Mentored a team of 6 backend engineers while establishing comprehensive system instrumentation and health reporting.

Tech Lead - Automate

NOV 2024 - JUN 2025

- Launched industry-first Playwright iOS support for remote mobile testing.
- Developed an automated regional traffic-toggle system to dynamically reroute sessions during network outages, eliminating manual intervention, improving system availability, and earning a 'Black Belt' award.
- Contributed to scaling the core Automate product from 800k to 2.5 million daily sessions over a 4-year tenure.

Senior Software Engineer - Automate

APR 2022 - OCT 2024

- Spearheaded the industry-first Playwright Mobile (Android) integration, scaling usage from 0 to 25,000 daily sessions and earning induction into the CEO's Hall of Fame (Top 1% performer).
- Slashed operational alerts from 195 to ~5 per day by stabilising the codebase, earning an organisation-wide 'Engg Big-Win' recognition and a 'Black Belt' award.
- Drove adoption of new automation frameworks, scaling Cypress daily sessions from 1k to 50k and Playwright desktop sessions from 1k to 100k.
- Reduced backend processing time by 25% by engineering a custom telemetry framework that streams performance metrics into BigQuery to isolate and resolve bottlenecks.
- Recognised with 3 additional 'Black Belt' awards across consecutive review cycles for consistent operational excellence and high-impact feature delivery.

Software Engineer - Automate

FEB 2021 - MAR 2022

- Decreased mobile and desktop device start times by ~30% and ~15%, respectively, by eliminating dead code, streamlining execution flows, and implementing parallel processing.
- Automated end-to-end release pipelines via Jenkins across multiple frameworks (Selenium, Playwright, Cypress), accelerating deployment turnaround from 5 days to under 3 days.
- Resolved critical performance bottlenecks in a core test framework, establishing organisation-wide performance standards and earning leadership recognition.
- Developed real-time system metrics dashboards to monitor product stability proactively and resolved high-priority deal-blockers to drive customer acquisition.

2. Zeus Learning (Mumbai, MH, India)

Senior Software Engineer (JAN 2020 - JAN 2021) | Software Engineer (JUL 2018 - DEC 2019)

- Implemented a secure access management system, utilising JWTs and hashing algorithms to protect API endpoints and handle PII data.
- Optimised PostgreSQL and Redis database functions to improve backend processing speeds significantly.
- Developed a custom frontend graph rendering library in Angular and built .NET backend services.

RELEVANT SKILLS

Programming Languages: JavaScript, Ruby, Python.

Backend & Databases: Node.js, Ruby on Rails, MySQL, Redis, BigQuery.

Cloud & DevOps: AWS (EC2, S3, RDS, EKS, ECR, ALB), Terraform, Kubernetes, Docker, Jenkins, FluxCD.

Frameworks & Tools: Sidekiq, Playwright, Cypress, Selenium, Appium, BullMQ, local LLMs, Kafka, PM2, ELK Stack.

Architecture & Leadership: Backend Architecture, System Design, Performance Optimisation, Team Mentoring

EDUCATION - BE(Computer Engineering) | Atharva College of Engineering - Mumbai University | 2014 - 2018 | 8.48 CGPA