

Pranay Patle

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WORK EXPERIENCE

Senior Software Engineer - Full Stack Developer

Nov 2024 – Present

Azuga Telematics

Bangalore, IN

- Building telematics analytics platform using React and Django, delivering real-time insights and reporting capabilities for end users.
- Unified Power BI dashboards and custom APIs into a single responsive web interface, centralizing data visualization and decision-making tools.
- Designed and implemented a scalable AWS Step Functions and Lambda-based data pipeline, supporting automated ingestion and processing of data from multiple third-party telematics service providers (TSPs).
- Optimized PostgreSQL for time-series data by introducing advanced indexing and partitioning strategies, resulting in up to 100x faster query performance and dramatically improved frontend load times.

System Engineer - Full Stack Developer

Jul 2021 – Oct 2024

Tata Consultancy Services

Pune, IN

- Designed, built, and maintained desktop and hybrid web/mobile applications, contributing across the frontend, backend, and database layers to deliver end-to-end functionality.
- Developed scalable RESTful APIs and integrated AWS services including S3 for file storage, SQS for asynchronous messaging, and Lambda for serverless execution.
- Enhanced overall application performance by optimizing SQL queries and tuning database operations, achieving 40%–60% performance gains across critical workflows.
- Modernized legacy desktop systems by rearchitecting them into responsive, single-page applications using React, leveraging component-based design to build dynamic, user-friendly interfaces.

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, C#

Frameworks: React, NextJS, Express, NodeJS, Django, .NET Core

Technologies: AWS, Azure, Docker, Git

Other: Postgres, MSSQL, MongoDB, Redis, HTML, CSS

PROJECTS

Excalidraw Plus Docker | *NextJS, Docker, Postgres*

[Github](#)

- Full Stack Excalidraw self hosted application.
- Enable users to create persistent, shareable Excalidraw boards, allowing collaboration and reuse through a digital “board book” format for visual documentation and brainstorming.

Booth Management System | *React, Express, MongoDB, Google Maps API, Tailwind CSS*

[Github](#)

- Built a cab booking web application facilitating bookings via physical booths at specific locations. Deployed at Pune Station.
- Designed a dashboard to display cab booking metrics and visualizations.
- Integrated Google Maps API for route mapping and distance calculations.
- Used Tailwind CSS for UI components and Express server for business logic.

pg-stats-cli | *npm, NodeJs, cli tool*

[Github](#)

- Built and published pg-stats-cli, an open-source Node.js CLI for PostgreSQL health checks and performance analysis.
- Implemented automated checks for slow queries, indexes, table bloat, and database configuration.
- Designed a severity-based reporting system with actionable performance recommendations.

[More](#)

EDUCATION

Government College of Engineering, Amravati

CGPA: 8.27

B.Tech in Computer Science and Engineering

2021

D.B. Science College, Gondia

87.54%

HSC – Maharashtra State Board

2017

Gujarati National High School, Gondia

89.20%

SSC – Maharashtra State Board

2015