

Karnav Pargi

FullStack Engineer - Gujarat, INDIA

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Executive Summary

Full-Stack Engineer with around 8 years of experience, including leadership roles managing developers. Specialized in building scalable web applications using JavaScript and TypeScript. Proficient in Angular, React.js, Node.js, Nest.js, and Express. Skilled in cloud deployment on AWS and Azure, with hands-on expertise in Lambda, API Gateway, S3, and EC2. Experienced in domains like Education, Healthcare, Hospitality, and Social platforms. Strong background in integrating third-party services such as Stripe, PayPal, and Google Pay. Adept in Agile/Scrum workflows, version control (GitHub, GitLab), and project management tools (Jira, Trello, QuickScrum). Known for delivering high-quality solutions on time, collaborating across teams, and solving complex technical challenges with a proactive approach.

Skills and Strengths

- **Industry Domains:** Education, Banking, Healthcare, Hospitality/Vendor/Order/Event Management, Social/Dating app.
- **Core Languages:** JavaScript, TypeScript.
- **Frontend:** Angular, Angular Universal/SSR, single-spa-angular, PrimeNG, NG Bootstrap, NgRx, RxJS, React.js, Next.js, Redux, html/ html5, css/css3, SCSS.
- **Backend:** Node.js, Nest.js, Express, Strapi.io, Mongoose, TypeORM, GraphQL, Socket.IO, WebSocket API.
- **Cloud:** AWS(Code pipelines, Lambda, API Gateway, S3, SNS, SQS, SES, Route53, EC2, Cloudfront), Azure, E2E Cross Deployment.
- **Tools:** Robo 3T, Mongo Compass, Postman, MS Workbench, DBeaver
- **Database:** MongoDB, MySQL, Postgresql, Vector DB.
- **Others:** JWT, Passport.js, Git, Github, Gitlab.
- **Gateways:** CoinPayments, Paypal API, Stripe, Google Payment API, Google login API
- **Multi-tasking:** Jira, Kanban, QuickScrum, Trello.
- **AI -** ChatGPT, Claude, LangChain.

Education

Bachelor's Degree in Information Technology	2010 - 2017	GTU	Gandhinagar, INDIA
Diploma in Information technology	2007 - 2010	TEB	Ahmedabad, Gujarat

Professional Experience

ValueLabs LLP, Hyderabad, India

Analyst

Mar 2024 - Current

Skills - Angular, Node.js, Express, NG Bootstrap, PrimeNG, NgRx, RxJS, TypeScript, JavaScript, MongoDB, AWS, Azure

- Led end-to-end Angular upgrades across multiple projects from version 8.0 to 18.0—enhancing application performance, code maintainability, and alignment with the latest Angular architectural paradigms.
- Migrated legacy NgModules to standalone components throughout the codebase, significantly reducing module coupling and streamlining component reuse across the application.
- Designed and implemented enhancements in an Angular-based micro-frontend architecture using single-spa-angular, enabling modular development, independent deployments, and efficient team collaboration.
- Led UI modernization by upgrading PrimeNG libraries from v14 to v17, ensuring compatibility with newer Angular versions and enhancing the visual consistency and responsiveness of user-facing interfaces.

- Managed end-to-end deployment processes using Azure Pipelines and a suite of AWS services—including EC2, S3, Lambda, API Gateway, CloudFront, and WAF—optimizing infrastructure to resolve large payload upload issues and strengthen overall application security and reliability.

NewFireGlobal Partners, Kuala Lumpur, MALAYSIA (Contract)

Software Engineer

May 2023 - Jan 2024

Skills - TypeScript, JavaScript, Angular(Micro-frontend), Express, Node.js, Nestjs, MongoDB, harness.io, ArtiFactory

- Delivered prompt resolution of high-priority bugs in production systems built with Angular, Node.js, NestJS, and MongoDB (Mongoose), ensuring application stability and minimal downtime.
- Collaborated with cross-functional and cross-regional teams to troubleshoot complex issues, streamline support workflows, and maintain consistent product performance across environments.
- Demonstrated strong ownership in critical situations by addressing customer-reported issues under tight deadlines, directly contributing to improved user satisfaction and operational efficiency.

CustomerXPs, Bengaluru, INDIA

Senior Software Engineer

Oct 2022 - May 2023

Skill - TypeScript, JavaScript, Node.js, Express, MongoDB, AWS SQS, etcd, Winston, Docker, React.js.

- Led the research and development of a high-performance AWS SQS middleware integrated with a dynamic logging service, achieving full implementation within a condensed 7-month timeline accelerating delivery by approximately 4 months.
- Engineered a scalable solution capable of processing high volumes of text-based data from multiple application modules, centralizing logs for streamlined monitoring and traceability.
- Implemented a batching mechanism to control and transmit a fixed number of notifications to the database, significantly reducing write operations and optimizing overall database performance.

Bytes Technolab, Ahmedabad, INDIA

Senior Software Engineer

Oct 2021 - Oct 2022

Skill - TypeScript, JavaScript, Angular, Nestjs, Express, MySQL, MongoDB, Jenkins, AWS(Lambda-Serverless, SAM, EC2), Reactjs, OCPP 1.6, Srapi.io.

- Led and managed a team of three developers, overseeing project execution, ensuring task alignment, and maintaining consistent communication with stakeholders to deliver quality outcomes on time.
- Conducted in-depth R&D on the Open Charge Point Protocol (OCPP) v1.6 and successfully designed a central backend system using Node.js and WebSocket APIs for real-time, secure communication with electric vehicle charging stations.
- Implemented secure, SSL-based WebSocket communication channels between the central system and charging stations, ensuring protocol compliance, data integrity, and reliable connection handling.
- Played a key role in the architectural design and implementation of Dashboard 2.0, contributing to the system's scalability, usability, and feature extensibility.
- Facilitated regular client interactions, providing updates on deliverables and incorporating feedback to align the technical roadmap with business goals.

DigiCorp, Ahmedabad, INDIA

Software Developer

Sept 2019 - Oct 2021

Skill - TypeScript, JavaScript, Angular, RxJS, Node.js(Micro-service), Express, MySQL, React.js, Redux, GraphQL, Propeller UI.

- Collaborated closely with managers to design SaaS-based architecture in Angular with Propeller UI and contributed to microservices in Node.js with MySQL.

- implemented a multi-layered filter feature (supporting single, multi, and checkbox options) using Angular, RxJS with Propeller UI. Additionally, I developed Node.js APIs to process and display data for schools, classes, teachers, and other related entities in the user interface.
- Processed raw data obtained from clever.com, meticulously organized it into distinct tables, and subsequently crafted SQL queries in Node.js for various modules.
- Implemented Redux store in React.js and Improved overall performance by shifting all API requests and data processes to Redux store.

IndiaNIC Infotech, Ahmedabad, INDIA

Backend Developer

Jan 2018 - Oct 2019

Skill - JavaScript, Node.js , MongoDB, Express, Docker, Socket.IO, Paypal API, CoinPayments, Stripe.

- Actively engaged in client communications, gathered feature requests, and contributed significantly to driving project development and aligning with client needs.
- Integrated third-party payment APIs into web platforms, enhancing functionality and user experience.
- Designed MongoDB schema and developed robust API architectures in Node.js to support project requirements.
- Configured and provisioned servers, optimized MongoDB queries, and ensured efficient data transport across the project for enhanced performance.

Projects

Ingram Micro

Vendor Management system

Skill - TypeScript, Angular 8.0 - 16.0, Micro-frontend, single-spa-angular.

- Contributed to the development and enhancement of an Angular-based Micro-frontend architecture.
- My responsibilities included upgrading the Angular repository from version 8.0 to 16.2, ensuring seamless integration with existing components, optimizing performance, and addressing compatibility issues.

Skiyodl (Booking service)

Hotels and Ski rentals

Skill - TypeScript, JavaScript, Angular, NgRx, RxJS, PrimeNG, NG Bootstrap, Node.js, MongoDB with mongoose, Azure pipelines, AWS.

- Developed new features in the frontend panel for a Hotels and Ski rentals web application, while managing the admin panel and upgrading the Angular repository from version 14 to v18 for improved performance and scalability.
- Converted project-wide modules to standalone components and upgraded PrimeNG from v14 to v17 to ensure modularity, maintainability, and compatibility with the latest features.
- Managed deployments, optimized AWS WAF for security, and resolved issues related to large data payload uploads, enhancing system reliability.
- Achieved a 30% performance improvement in Skiyodl through the successful Angular version upgrade.

TruCare Cloud (Centene Corporation)

Health Insurance Portal

Skill - JavaScript, TypeScript, Angular, RxJS, Express, Node.js, Nestjs, MongoDB, harness.io, AWS

- Worked as a Product Support Engineer, specializing in Angular, Node.js, NestJS, and MongoDB with Mongoose.
- Focused on resolving high-priority bugs within tight deadlines to ensure system reliability and customer satisfaction.
- Collaborated closely with cross-regional teams to provide seamless product support and enhance team coordination.

CSG forte. (CSG International)

Pioneering Payment Processing Solution

Skill - JavaScript, TypeScript, Angular, RxJS, Angular Material, GPay API.

- As part of the payments team at CSG Forte, I led the research and successful integration of Google Pay and Apple Pay into the DEX web application, built using Angular. The goal was to enhance the checkout experience for end users by enabling seamless digital wallet transactions.
- My work began with in-depth research and development (R&D) on Google Pay and Apple Pay APIs, focusing on their compatibility with Angular-based web applications and CSG Forte's payment gateway. After evaluating the technical requirements and constraints of both wallets, I developed a robust integration strategy that ensured secure and consistent behavior across browsers and devices.
- Beyond the payment screen, I also contributed to the DEX Admin Panel, where I implemented the feature allowing merchants to toggle the availability of Google Pay and Apple Pay for their customers. This added a layer of flexibility and control for business users, allowing for real-time payment method configuration.
- This initiative improved the platform's digital wallet support and contributed to a more modern, user-friendly payment experience aligned with current industry standards.

CCPMS(Car Charge-point management system)

Central system for the vehicle charging station

Skill - Node.js, WebSocket API, OCPP 1.6, AWS(EC2, S3).

- Conducted R&D for Open Charge Point Protocol Alliance v1.6 and developed core functionality with the help of Node.js and WebSocket API.
- Implemented core system for charging station connections using WebSocket API Establish secure connections with charging stations through SSL

JetPackED

SaaS-based Data analysis tool.

Skill - JavaScript, TypeScript, Angular, RxJS, Node.js, Micro-services, Express, MySQL, TypeORM, AWS(EC2, S3).

- Contributed to the database designs for a Software as a Service (SaaS)-based architecture and microservices. Processed raw data obtained from clever.com, meticulously organized it into distinct tables, and subsequently crafted SQL queries for various modules.
- Implemented a multi-layered filter feature (supporting single, multi, and checkbox options) using Angular with Propeller UI. Additionally, I developed APIs to process and display data for schools, classes, teachers, and other related entities in the user interface.

Redprint & Revivn

Cloud-based asset management tool.

Skill - JavaScript, React.js, Redux, Node.js, Express, MySQL, AWS EC2.

- Crafted SQL queries for diverse modules and implemented forms and data tables in React.js.
- Developed the logic for data retrieval and storage utilizing the Redux store and Axios.

Loveternational

Dating App.

Skill - JavaScript, Node.js, Express, MongoDB, Socket.IO, Strapi.io, AWS(EC2, S3).

- Developed full-scale APIs for applications using Node.js, and Express.
- Designed DB architectures for the application and Implemented a Chat App with Socket.IO.
- Integrated payment gateways and created algorithms for handling failed payments.

Predictive Parts Management System

Yacht predictive parts service maintenance portal (offline).

Skill - JavaScript, Node.js, Express, MongoDB, AWS.

- Implemented the algorithms with the help of system design created by the client for automatic service and part replacement.
- Wrote the APIs with the help of Node.js and Wrote Scripts for automatic backup every day at the mentioned time.

Cancer Journey Care

Cancer Diagnostics by predictive cancer-related questions.

Skill - JavaScript, Node.js, Express, MongoDB, Paypal API, AWS(EC2, S3).

- Developed an algorithm that stores questions and answers in a way that links them based on the responses. When a patient provides an answer to a question, the algorithm retrieves a new question from the database, taking into account the pattern of previous answers.
- Implemented payment service for questions asked by patients.