

# Karnav Pargi

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## Executive Summary

**Full Stack Engineer** with 8+ years including leadership roles overseeing three developers, Specializing in software development, and Proficient in crafting high-quality web applications using JavaScript, and TypeScript. My expertise extends to modern front-end frameworks like **Angular** and React.js with server-side technologies like **NodeJS** and Nest.js with Express.js. Throughout my career, I've adeptly utilised version control tools like Github, and Gitlab and Management tools like Jira, Kanban, QuickScrum, and Trello to meet strict deadlines. I boast proficiency in deploying applications on AWS and GCP, showcasing a proven track record of timely and budget-conscious project delivery using agile or scrum methodology. Collaborating effectively with cross-functional teams, I leverage strong problem-solving skills to surmount challenges.

## Skills and Strengths

- **Languages** - JavaScript, TypeScript.
- **Frontend** - Angular(2.0-18.2), Angular Universal(SSR), Angular Material, PrimeNG, NgRx, Rxjs, Propeller UI, Reactjs, Nextjs, Redux, HTML, HTML5, CSS, SCSS.
- **Backend** - Nodejs, Nestjs, Expressjs, Strapi.io, Mongoose, GraphQL, Socketio, Websocket.
- **Cloud** - Azure, AWS(Code pipelines, Lambda, API Gateway, S3, SNS, SQS, SES, Route53, EC2, Cloudfront), E2E Cross Deployment.
- **Database** - MongoDB, NoSQL, SQL.
- **Others** - JWT, Passport.js, Github, Git, Gitlab, OCPP.16.
- **Gateways** - CoinPayments, Paypal API, Stripe, Google Payment API, Google login API
- **Multi-tasking** - Jira, Kanban, QuickScrum, Trello.

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## Professional Experience

### ValueLabs LLP, Hyderabad, India

*Analyst*

**Mar 2024 - Current**

**Skills** - Angular, Nodejs, Expressjs, NG Bootstrap, PrimeNG, NgRx, Rxjs, TypeScript, JavaScript, MongoDB, AWS, Azure

- Actively maintained and enhanced platform features by leveraging front-end technologies like Angular, PrimeNG, and NG Bootstrap, alongside back-end technologies like Node.js and MongoDB (Mongoose).
- Built an admin panel from the ground up, upgrading from Angular v14 to v18 and incorporating features like standalone components and zoneless APIs for improved performance and maintainability.

### NewFireGlobal Partners, Kuala Lumpur, MALAYSIA (Contract - Remote)

*Software Engineer*

**May 2023 - Jan 2024**

**Skills** - TypeScript, JavaScript, Angular(Micro-frontend), Expressjs, Nodejs, Nestjs, MongoDB, harness.io, ArtiFactory

- Served as a Production Support Engineer to Centene Corporation with the APAC team by addressing, testing, and deploying the issues with proficiency in Angular, Nodejs, and Nestjs.

- Actively participated in Scrum ceremonies, including sprint planning, daily stand-ups, sprint reviews, and retrospectives, fostering a collaborative and iterative development process.

**CustomerXPs, Bengaluru, INDIA (Remote)**

**Senior Software Engineer**

**Oct 2022 - May 2023**

**Skill** - TypeScript, JavaScript, Nodejs, Expressjs, MongoDB, AWS SQS, etcd, Winston, Docker, Reactjs.

- Conducted intensive research and development, streamlining the design process to create an effective AWS SQS middleware with dynamic logging service within an accelerated timeline of 7 months, thereby saving nearly 4 months in the development cycle.
- This service adeptly manages large volumes of text data from diverse modules, centralizing information, and transmitting a fixed number of notifications to the database, resulting in optimized and reduced database operations.

**Bytes Technolab, Ahmedabad, INDIA (Hybrid)**

**Senior Software Engineer**

**Oct 2021 - Oct 2022**

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

- Led and supervised a team of 3 developers in software development projects, demonstrating leadership and management skills Conducted R&D for Open Charge Point Protocol Alliance v1.6 and developed a Central system for efficient and secure communication with chargers in Nodejs with Websockets.
- Implemented WebSocket APIs in Nodejs to securely communicate between charging stations and the central system via SSL.

**DigiCorp, Ahmedabad, INDIA (Hybrid)**

**Software Developer**

**Sept 2019 - Oct 2021**

**Skill** - TypeScript, JavaScript, Angular, Rxjs, Nodejs(Micro-service), Expressjs, MySQL, Reactjs, Redux, GraphQL, Propeller UI.

- Collaborated closely with managers to design SaaS-based architecture in Angular with Propeller UI and contributed to microservices in Nodejs with MySQL.
- implemented a multi-layered filter feature (supporting single, multi, and checkbox options) using Angular, Rxjs with Propeller UI. Additionally, developed Nodejs 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 Nodejs for various modules.
- Implemented Redux store in Reactjs and Improved overall performance by shifting all API requests and data processes to Redux store.

**IndiaNIC Infotech, Ahmedabad, INDIA (Office)**

**Backend Developer**

**Jan 2018 - Oct 2019**

**Skill** - JavaScript, Nodejs, MongoDB, Expressjs, 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, optimised MongoDB queries, and ensured efficient data transport across the project for enhanced performance.

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## Projects

### **Skiyodl**

#### ***Hotels and Ski rentals***

**Skill** - Angular, NodeJS, MongoDB(Mongoose), Azure pipelines, AWS Services, PrimeNG, NgRx, NG Bootstrap.

- Upgraded front-end and admin panels from Angular v14 to v18, incorporating standalone components and a zoneless approach, resulting in a 40% performance improvement.
- Managed end-to-end deployment processes across Azure and AWS platforms, utilizing CI/CD pipelines for both front-end and back-end applications.
- Leveraged AWS services such as EC2, S3, Lambda, API Gateway, and WAF to enhance application scalability and reliability.
- Designed and implemented high-performance, scalable APIs on the front end to optimize overall site performance.

### **TruCare Cloud (Centene Corporation)**

#### ***Govt. Health Insurance Portal***

**Skill** - JavaScript, TypeScript, Angular, Expressjs, Nodejs, Nestjs, MongoDB, harness.io, AWS

- Served as a Production Support Engineer to Centene Corporation with the APAC team by addressing, testing, and deploying the issues with proficiency in Angular, Nodejs, and Nestjs.
- Actively participated in Scrum ceremonies, including sprint planning, daily stand-ups, sprint reviews, and retrospectives, fostering a collaborative and iterative development process.
- Upgraded Angular from v7.0 to v17.0 with dependencies and introduced Angular Server-Side Rendering, resulting in a 30% improvement in initial page load performance and enhancing the website's SEO friendliness.

### **CSG forte. (CSG International)**

#### ***Pioneering Payment Processing Solution***

**Skill** - JavaScript, TypeScript, Angular, Angular Material, Nodejs, GPay API.

- Successfully Integrated GPay API button to processor UI and helped the API team to implement a wrapper to send payment details From Angular to the node.js server and then to the main payment processor Service.
- Successfully updated component to show/hide the Gpay button to processor UI.

### **Ragnar Events**

#### ***Online events & race management systems***

**Skill** - JavaScript, TypeScript, Angular, AWS(Lambda Serverless, SAM, S3, EC2).

- Efficiently manages the project by overseeing a team of 3 developers, ensuring smooth coordination and collaboration. Established clear and effective communication with the client regarding the features, updates, and feedback.
- Takes a hands-on approach in implementing significant enhancements, particularly the development and integration of Dashboard 2.0.

### **CCPMS(Car Charge-point management system)**

#### ***Central system for the vehicle charging station***

**Skill** - Nodejs, WebSockets, Reactjs, 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 Websockets.
- Implemented core system for charging station connections using WebSockets Established secure connections with charging stations through SSL

### **JetPackED**

#### ***SaaS-based Data analysis tool.***

**Skill** - JavaScript, TypeScript, Angular, Rxjs, Nodejs(Micro-services), Expressjs, MySQL, 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, 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, ReactJS, Redux, Nodejs, Expressjs, 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, Nodejs, Expressjs, MongoDB, Socket.io, Strapi.io, AWS(EC2, S3).

- Developed full-scale APIs for applications using Nodejs, and Express.js.
- 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, Nodejs, Expressjs, 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, Nodejs, Expressjs, 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.

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## **Education**

Bachelor's Degree in Information Technology, 2018, GTU, Ahmedabad INDIA.

Diploma in Information Technology, 2010, TEB, Gujarat INDIA.

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