

Bhairaba Chandra Patra

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Summary:

- Technical Lead with 9+ years of experience in building high-performance, responsive web applications using Angular (V2-17), React.js, Typescript, and JavaScript (ES6+).
- Skilled in implementing reusable UI components, integrating REST APIs, managing state using Redux, and writing efficient, maintainable frontend code.
- Hands-on experience in developing user-friendly interfaces, optimizing web performance (lazy loading, code splitting), and ensuring mobile-first responsive designs.
- Proficient in unit testing and end-to-end testing using Cypress and Jest to deliver robust and reliable applications.
- Experienced in working in Agile/Scrum teams and collaborating with designers, backend developers, and QA teams to deliver high-quality features on time.

Technical Skills:

- **Frontend:** React, Angular, RxJS, Angular Material, Bootstrap, HTML5, CSS3/SCSS
- **Backend:** Node.js (NestJS), TypeORM, REST APIs, JWT, RBAC, PostgreSQL, MySQL, transactions, migrations, query builder, middleware, guards, interceptors.
- **Programming:** Typescript, JavaScript (ES6+), ES Modules, DOM APIs
- **Testing:** Cypress, Jasmine, Karma
- **DevOps & Tools:** GIT, Docker, Jenkins, Web pack, NPM, Postman
- **API Integration:** RESTful APIs, JWT Authentication
- **Agile Expertise:** Scrum, Jira, Component Libraries, Accessibility (WCAG)

Professional Experience:

- Technical Lead | **Encora Innovation Labs, Bangalore** | Sep 2021 – Present
- Senior UI Developer | **Optimal Virtual Employees, Noida** | Dec 2019 – Sep 2021
- Frontend Developer | **Raised Lines Foundation , Delhi** | Sep 2015 – Dec 2019

Encora Innovation Labs, Bangalore

Sep 2021 –

Present

Technical Lead

Project: Infrastructure Observability with Cloud Monitoring

Developed and implemented an infrastructure observability solution leveraging cloud-native monitoring tools (such as AWS / Azure Monitor / Google Cloud Operations) to ensure real-time performance tracking, availability, and health of cloud-based applications and services.

Key Features:

- Monitored infrastructure metrics (CPU, memory, disk, network) and application logs.
- Configured alerting rules for critical thresholds and automated notifications.
- Integrated dashboards for visualizing key performance indicators (KPIs).

- Enabled log analysis, tracing for root cause identification, and troubleshooting.
- Improved system uptime, reliability, and incident response times.

Roles and Responsibilities:

- Developed interactive and responsive UI components using Angular and Typescript to visualize real-time system metrics and logs.
- Designed and developed responsive, user-friendly interfaces using Angular 17, HTML5, CSS3, and Typescript.
- Built dynamic dashboards to display real-time cloud infrastructure metrics, logs, alerts, and system health indicators.
- Created modular and reusable Angular components for consistent UI rendering across the application.
- Implemented dynamic dashboards and custom data visualizations for monitoring application performance and health indicators.
- Ensured cross-browser compatibility and optimized rendering performance using ES6 features and best practices in modern JavaScript.
- Designed and developed RESTful APIs using Spring Boot to fetch, aggregate, and serve observability data from various cloud monitoring services.
- Implemented secure, scalable backend services for storing, processing, and retrieving monitoring logs, alerts, and performance data.
- Architect modular and reusable UI components using Angular best practices

Technology: React, Angular, HTML, CSS, JavaScript, ES6, Typescript, Java Spring Boot, NestJs, REST APIs, PostgreSQL

Optimal Virtual Employees, Noida
2021

Dec 2019 – Sep

Senior UI Developer

Project: Banking Application (Santander UK)

Banking Application designed to manage user accounts, transactions, and customer data securely. The application supports both customer and admin roles, ensuring safe and efficient banking operations.

Key Features

- User Authentication & Authorization: Secure login/signup with role-based access.
- Account Management: Create, view, and manage savings or current accounts.
- Fund Transfer: Transfer money between accounts with validation and transaction history.
- Transaction History: View detailed logs of debits and credits.

Roles and Responsibilities:

- Designed and implemented responsive user interfaces using Angular, HTML5, CSS3, and Typescript to ensure a seamless user experience across devices.
- Developed secure and user-friendly components for dashboards, account overviews, fund transfers, transaction history, and profile management.
- Built role-specific modules (Customer/Admin) with proper routing, guards, and access

control based on authentication and authorization tokens.

- Consumed REST APIs provided by Spring Boot to fetch and update customer data, transaction records, and account details securely.
- Handled HTTP requests using Angular module with JWT-based token handling and error interceptors for robust API interaction.

Technology: Angular, JavaScript, ES6, Typescript, Node(NestJS), REST APIs, Oracle

Raised Lines Foundation, Delhi
2019

Sep 2015 – Dec

Frontend Developer

Project: E-commerce Book Selling Application

Developed an e-commerce application for selling books online. The platform allows users to browse books, add them to a cart, place orders, and make payments. Admins can manage inventory, process orders, and monitor sales analytics.

Key Features

- User registration, login, and role-based access (user/admin)
- Book catalog with search and filter capabilities
- Shopping cart and secure checkout process
- Order history and email confirmation for users

Roles and Responsibilities:

- Built separate modules for users and admins using Angular routing, route guards, and role-based access control.
- Designed and implemented responsive and accessible UIs using **Angular** and **React**, styled with **Bootstrap**, **HTML5**, and **CSS3**.
- Built dynamic interfaces for product listings, book detail views, shopping cart, user profiles, and order history.
- Developed modular, reusable UI components in both Angular and React.
- Applied **Typescript** and **ES6+** features for strongly-typed, maintainable code across the frontend stack.
- Designed relational database schema for users, books, orders, carts, and payments using **MySQL**.
- Created optimized queries and indexes to handle large volumes of product and transaction data efficiently

Technology: React, JavaScript, ES6, Typescript, Java Spring Boot, HTML, CSS, Bootstrap, MySQL

Education:

- MCA Biju Patnaik University of Technology (BPUT), 2013