

MANISH KHEDEKAR

Software Engineer / Developer

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PROFESSIONAL SUMMARY

Full Stack Developer with 8+ years of experience in frontend (React, Angular, Vue, React Native) and backend (Node.js, Java, PHP) technologies. Proven expertise in databases (SQL, NoSQL, GraphQL) and building RESTful APIs with Serverless (AWS). Strong problem solver and collaborative team player with experience in overseeing complete development lifecycles. Focused on delivering scalable, high-performance, and user-friendly applications.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, Java, PHP, Python, Dart, SQL

Frontend: ReactJS, Angular, AngularJS, Vue.js, React Native, Ionic, jQuery, Electron.js, D3JS, CryptoJS, Bootstrap, Tailwind

Backend: Node.js, Express, Spring Boot/MVC, Loopback, Django, Serverless

Databases: MySQL, MongoDB, DynamoDB, GraphQL, PostgreSQL

Cloud & Tools: AWS S3, EC2, RDS, Lambda, Jenkins, GitHub Actions, Docker, LightSail

Testing: Jest, Enzyme, Playwright, Cypress, Appium, Jasmine, Karma, Mocha, React Testing Library, Supertest, WebDriverIO

Other: Git, Webpack, Agile, Scrum, TDD, Web Components, GitLab, Github, Bitbucket, Grunt, Gulp, npm, yarn

PROFESSIONAL EXPERIENCE

Technology Lead | Synechron Technologies Pvt Ltd | Feb 2025 - Present

Emirates NBD (Dubai): One of the biggest banks of UAE, joined for the customer facing application for MERN stack position.

- Enhanced automation tests using Playwright
- Explored Micro Frontend architecture in detail
- Improved application performance using FE and BE best practices
- Worked on security measures for banking application
- Integration with CMS (Sitecore) to render components

Software Consultant | Nu10 Technologies India Pvt Ltd | Aug 2022 - JAN 2025

RippleStreet (USA): RippleStreet is a platform in the USA for creating, promoting, and managing online events and campaigns, featuring an admin panel, event builder, and product website.

- Developed UI based on Figma designs using React with class and functional components.
- Integrated data fetching from PHP APIs and GraphQL via react-relay.
- Led migration to functional components for improved maintainability.
- Implemented unit tests with Jest and React Testing Library. Styled with JSS and Tailwind CSS for a responsive UI, Created static HTML pages in React for specific sections.
- Integrated analytics to track user interactions for data-driven decisions.
- Developed Node.js (Express) backend services and Apollo GraphQL gateway for data management.

SunContract (NFT and Blockchain): SunContract is a blockchain and NFT-based platform for managing solar panels as NFTs, emphasizing sustainability and innovation.

- Developed the UI with React, TypeScript, and Material UI for a responsive experience.
- Built the front-end application from scratch, ensuring scalability and maintainability.
- Managed state with Redux for smooth data flow across the app.
- Created POCs in Electron.
- Developed backend services using ExpressJS and MySQL for data storage and API integration.
- Conducted code reviews and refactoring for high-quality, optimized code.
- Led and mentored junior engineers, enforcing best practices in code quality.

Partnerize (Analytics and Marketing): Partnerize is an analytics and advertising platform that generates revenue through ad commissions and marketing campaigns, providing robust insights.

- Worked on a server-side rendered React app, implementing bug fixes, creating pages, and updating functionality. Integrated data from PHP APIs into React for seamless data management.
- Built functional components with custom CSS for a consistent design. Utilized Jest, Enzyme, and React Testing Library for unit testing to ensure high-quality code.
- Worked with FlowJS and TypeScript for enhanced type safety and maintainability. Led migration of JavaScript components to TypeScript for improved performance.
- Upgraded npm packages and maintained dependencies for optimal performance. Contributed to shared utilities and Storybook updates for UI consistency.
- Led migration of PHP services to Node.js (ExpressJS) for better backend performance.

Software Development Engineer | QuantInsti Quantitative Learning Pvt Ltd | Dec 2021 - Aug 2022

Quantra (E-learning Platform): A web app for learning Algorithmic Trading through mentor-led courses, with mentors managing their courses. Initially built with AngularJS, newer modules developed with Vue.js, and backend powered by Express (Node.js) and MySQL.

- Developed microservices in Express (Node.js) with MVC architecture and integrated with MySQL.
- Built a responsive UI using AngularJS, Sass, and Vue.js with JSX, with BEM methodology for scalable CSS.
- Led migration of jQuery UI components to modern Vue.js 3 for improved maintainability and performance.
- Migrated static data handling to dynamic content with ExpressJS services.
- Collaborated with the product team to address bugs and implement customer-driven improvements, enhancing user experience.

QI Website (Company Website): A server-side rendered e-commerce site for purchasing company products, built with Handlebars, jQuery, Express (Node.js), and MySQL.

- Developed microservices in Express JS with MVC architecture for scalability and performance.
- Implemented a responsive UI with jQuery and Handlebars templates, migrating legacy code to Vue 3 components for better interaction and maintainability.
- Integrated LeadSquared Analytics for customer engagement tracking, and built CRM, document creation, and notification services to enhance functionality.
- Resolved production bugs and implemented real-time feedback-driven enhancements to improve product stability and performance.

Senior Software Engineer | Till POS Technologies | Oct 2020 - Nov 2021

Payroo - Payroll Solution: A payroll web application that enables organizations and individuals to manage employee salaries and government tax payments. The system was built with a React and TypeScript frontend and a Loopback (Node.js) backend, utilizing DynamoDB as the database.

- Developed a responsive UI using React with TypeScript (TSX), ensuring cross-browser compatibility and responsiveness across devices.
- Built backend microservices in Loopback (Node.js) with a focus on scalability and efficiency, including the

implementation of unit tests to ensure code quality.

- Employed Single Table Design in DynamoDB to optimize database performance and integrated AWS Lambda functions with microservices for serverless architecture.
- Followed the BEM CSS methodology to create maintainable, modular CSS for the front-end, ensuring a clean and consistent user interface.
- Worked in an Agile environment, collaborating closely with cross-functional teams to deliver features from concept to production, including both frontend and backend development.

Till-X - Hospitality Software Solution for Bepoz: A hospitality management solution for Bepoz, streamlining operations for hotels and businesses. Built as a hybrid application with React Native and TypeScript, targeting Web, Android, and iOS. Backend used Node.js, Apollo GraphQL, and DynamoDB.

- Developed and maintained microservices using Loopback (Node.js) and Apollo Client for GraphQL, ensuring efficient frontend-backend communication.
- Built a responsive UI in React Native for a consistent experience across iOS, Android, and web platforms.
- Used the Single Table Design pattern in DynamoDB and integrated AWS Lambda for serverless microservices, optimizing performance.
- Automated end-to-end testing with Cypress to ensure a seamless user experience.
- Managed the complete lifecycle of features, end-to-end solutions that met all business requirements.

Full Stack Developer | Perennial Systems | Apr 2019 - Oct 2020

MYO2 - Equal Experts: A long-running server-side rendered app with four SPAs, initially developed with AngularJS and later migrated to ReactJS. Backend built with Spring MVC and Spring Boot, deployment managed through AWS.

- Contributed to migrating AngularJS modules to ReactJS TS, improving maintainability and performance.
- Developed microservices in Spring Boot with unit and performance tests for system reliability.
- Migrated backend services from Spring to ExpressJS (Node.js) for better scalability.
- Built reusable ReactJS components, managed state with MobX, and ensured cross-browser compatibility using Sass, BEM CSS, and Styled Components.
- Optimized build processes using npm, Webpack, ensured accessibility compliance with semantic HTML.
- Added Adobe Analytics for tracking, created functional tests with Cucumber (Java) for end-to-end testing.
- Used CI/CD pipelines using Jenkins, automated AWS deployments with performance testing in Scala.
- Followed Agile methodologies (Kanban, TDD, Pair Programming) for efficient project delivery.
- Designed software solutions for multiple client websites, addressing complex business requirements.
- Provided 24-hour technical support to troubleshoot and resolve issues.

mClinica Connect: An ongoing project from 2017, which is a platform made for different clients of mClinica, to manage their Product sales, Online and Offline stores, Sales executives and Customers. There were separate web applications, present for each client.

- Written React functional and class components with JSX and styled components in BitBucket.
- Used redux-saga in the front end to manipulate the UI and handle API calls to the backend.
- Written APIs in ExpressJS (NodeJS) with Sequelize ORM for MySQL 5.7 Worked on Nested SQL queries.
- Handled asynchronous tasks in NodeJS, done promise chaining and error handling.
- Worked with HighCharts in React for graphs and visualization.
- Written Unit tests and Integration tests for both UI and APIs using Jest, Jasmine, Mocha and Supertest.
- Written automation tests for an android app with Appium Webdriver IO, with SCRUM.

Associate Developer | Capco Technologies | Aug 2017 - Apr 2019

Front End Training - Backbase Platform: Trained in front-end technologies with a focus on the Backbase platform, building internal POCs and mastering modern web tools.

- Completed intensive training in HTML, CSS, JavaScript, and AngularJS for Backbase platform development.
- Developed internal POCs to showcase Backbase's functionality and capabilities.
- Gained hands-on experience with Grunt and Gulp to optimize workflows and improve build processes.
- Trained in asynchronous JavaScript to create responsive, high-performance web applications.
- Became Backbase Certified Front-End Developer, demonstrating proficiency in Backbase development.

SCB Life Insurance - (SCB, Thailand): Developed a hybrid mobile application for SCB Thailand's insurance product targeting both Android and iOS platforms using Ionic 2 and the Angular framework.

- Led development of a cross-platform hybrid app with Ionic 2 and Angular for Android and iOS.
- Implemented a Spring Boot backend with MySQL and used Jenkins for CI/CD to ensure rapid releases.
- Created custom JavaScript plugins to integrate Ionic-Cordova, Angular, and React Native components.
- Designed complex UIs, integrated third-party APIs, and ensured responsive experiences across devices.
- Developed key modules like charts, security, camera, notifications, and GPS using custom libraries.
- Integrated Firebase Analytics, push notifications for improved user engagement & performance tracking.
- Worked in Agile teams, collaborating to meet deadlines and manage resources efficiently.
- Implemented security measures like firewalls, encryption, and session management for data protection.
- Utilized library, D3.js for data visualization, CryptoJS for security, and NativeStorage for mobile data management.

Resource Database - Capco HCOPS Team: A web app for HR and project management teams to track employee resources and their project status.

- Led development of the Resource Database using Angular 4 and ng-cli for scalable, maintainable code.
- Designed a responsive UI with Angular 4 and Bootstrap for seamless performance on all devices.
- Developed role-based access features for HR and Project Managers to track and restrict employee updates.
- Built RESTful backend services with Spring, Hibernate and MySQL for efficient data handling.
- Conducted unit testing to ensure code quality, following TDD best practices.
- Optimized the app's mobile compatibility for adaptive, responsive design.

EDUCATION

B.Tech in Computer Engineering

Dr Babasaheb Ambedkar Technological University, Lonere | Jun 2013 - Jul 2017