

Satish Kumar Kalla

Senior Software Engineer

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SUMMARY

With over 10 years of experience in creating responsive web applications, I am proficient in both front-end and back-end technologies. I have a strong foundation in JavaScript, Node.js, React, and Angular. I am seeking a challenging opportunity where I can apply my technical and soft skills, while learning new things in a diverse environment.

WORK EXPERIENCE

- **Reflections Info Systems Pvt Ltd**, Trivandrum(Remote)
September 2021 - Present
- **Doran Jones Inc**, Deputation - Bangalore(Remote)
June 2024 - December 2024
- **Schemax Expert Techno Crafts Pvt Ltd**, Visakhapatnam
March 2014 - August 2021

SKILLS & TOOLS

- HTML, CSS, Javascript, Typescript
- React, Angular
- Node Js, Express Js, Nest Js
- MySQL, Postgres, MongoDB
- Bootstrap, Material UI, Ant Design
- Php, Laravel, Yii2
- Jira, Git, Bitbucket, VS Code

EDUCATION

- B.Tech in the stream of Information Technology

CERTIFICATIONS

- Oracle Cloud Infrastructure 2023 Certified Foundations Associate
- MongoDB SI Architect Certification Program

ACHIEVEMENTS

- Completed the AWS Developer Associate course which deepened my understanding of Amazon Web Services and its various services such as S3, lambda.
- Completed a POC on creating single tenant and multi tenant applications in azure entra id for external customers and connected with react and node applications to test different sign in mechanisms.

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- Completed a POC on Video KYC application which offers benefits including convenience, security, and efficiency.
- Received appreciation from client(umano) for delivering planner module and launched it on atlassian 2023 summit.

PROFESSIONAL SYNOPSIS

FRONTEND

- Experience in developing semantic, accessible, and cross-browser compatible web pages using HTML5 and CSS3. Expertise in preprocessors like SASS for efficient styling.
- Proficient in JavaScript (ES6+), with extensive experience in utilizing TypeScript for enhanced code quality and maintainability.
- Experience in building high-performance, reusable components and single-page applications (SPAs) using React, React query for server state management, Redux for global state management, and hooks.
- Experience in developing scalable and modular applications using Angular, implementing robust architectural patterns, and effective data binding.
- Experience with Bootstrap and Material-UI for rapid UI development, ensuring consistency and responsiveness across various devices and screen sizes.
- Experience with Chart libraries such as chart.js and recharts to generate charts.
- Experience in writing unit and integration tests using React testing library and Jest to ensure code reliability and maintaining high-quality standards.

BACKEND

- Building scalable and efficient backend services using Node.js, Express.js, and NestJS.
- Created API's by following REST principles, enabling seamless integration with front end and mobile applications.
- Experience with relational and NoSQL databases, including MySQL, PostgreSQL, and MongoDB, ensuring optimal performance and reliability.
- Improved query performance by optimizing queries and indexing the tables in the database.
- Experience in working with monolithic and microservice architecture based applications.
- Experience in working with ORM/ODM tools such as sequelize, typeorm, mongoose for seamless database operations and enhanced data modeling.
- Implemented secure authentication and authorization mechanisms, including JWT and passport, to ensure data privacy and user authentication.
- Experience in writing custom middlewares for handling exceptions and logging.
- Experience in writing test cases using jest with 90% test coverage.

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OTHERS

- Followed Agile and Scrum methodologies for project management, Used JIRA for managing the project.
- Used version control systems such as Git and public and private repositories such as Bitbucket, github, gitlab.
- Having knowledge and little experience on creating docker containers, build and run docker images for the applicaitons.
- Conducted peer to peer code reviews and used swagger for api documentaion.
- Ability to work with npm packages and package management.

KEY PROJECTS

Title: TruLookup — Transunion(United States)

Technologies: Html, Css, React

Tools: Jira, Bitbucket, Vs Code, Teams

Role: Team Lead

Responsibilities:

- Effort estimation and resource allocation in each sprint.
- Designed application architecture and identified required libraries.
- Reviewing and approving pull requests, ensures code base adheres to react best practices.
- Allocation of tasks to team members based on their strengths and skill levels.
- Ensures code quality using unit tests(jest) and implemented mock(msw) Api's.
- Acted as a point of contact for resolving conflicts and bottlenecks.
- Had a 1:1 meetings with team members, helped them with their daily tasks.
- Implemented token-based authentication in UI using axios interceptors and cookies.
- Participating in the daily scrum to give task updates and scrum retrospection.

Synopsis: Redesign the entire TruLookup web product initially launched in 2009. The primary goal is to modernize the user interface and underlying technologies to enhance the product's market competitiveness, beginning with the real estate segment. Our Key focus would be on making the product portal very mobile friendly. The user interface (UI) would as well be enhanced to adapt to various screen sizes and features such as two-factor authentication (2FA) for heightened security would be incorporated.

Duration: 6 Months

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Title: Umano – Umano Tech(Sydney - Australia)

Technologies: Angular Js,React, Node Js, Express Js, Postgres

Tools: Jira, Bitbucket, Vs Code, Slack

Role: Senior Developer

Responsibilities:

- Attended daily scrum meetings to update task status and also participated in weekly sprint retro,review and planning sessions.
- Developed metrics in angular js with charts and surfacing(Planning Accuracy, Stability).
- Worked on chart.js library to display charts(line,multi line,cumulative) and its plugins to highlight selected intervals(vertical line).
- Worked on freemium module functionality and created custom filters for the dashboard.
- Integrated azure devops tool into application to create intervals, fetch issues, users.
- Implemented rest API's to serve data to the frontend(surfacing tables).
- Worked on planner module functionality including test cases for Active and Macro cycles in react application.
- Worked on Notes, Team Input, Team Vibe API's and connected to UI.
- Worked on playbooks functionality includes(Goals, Guardrails, Practices).
- Collaborated with multiple teams in different timezones.

Synopsis: Umano is a product which collects information from different project management tools like jira,bitbucket/gitlab, confluence, slack etc..It consists of modules like metrics, freemium, users, billing, roles and it has 20 metrics to display collected data from all the tools. Every metric shows data in charts, tables and timelines. Provides guidance to improve planning, tracking & reviewing practices.

Duration: 2 years

Title: ShopFloor Control System – Brandix Lanka Limited(Colombo - Sri Lanka)

Technologies: Html, Css, Php ,React, Ant Design, Node Js, Nest Js, Postgres, MySQL

Tools: Jira, gitlab, Vs Code

Role: Senior Developer / Team Lead

Responsibilities:

- Attended daily scrum meetings to update task status and also participated in weekly sprint retro,review and planning sessions.
- Scheduled meetings with the team to discuss the tasks and requirements.
- Allocated tasks to resources based on availability of their work.
- Worked on the cutting module and production tracking module in SFCS v1.0.
- Integration with M3 applications using REST and SOAP Api's to get orders data.
- Created scheduled jobs to sync the data from M3 to SFCS.
- Wrote complex SQL queries for data retrieval, manipulation, and management.
- Created reusable UI components to handle data and logic.

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- Developed Docket generation module with UI and API's.
- Used hooks and context providers for data sharing in the application.
- Implemented docket generation functionality in the UI.

Synopsis: SFCS is a web-based ERP system which helps in resolving the pain areas in apparel manufacturing. Application consists of various modules like laying, cutting, sewing and packing etc. which fulfills the flow of stitching a garment from scratch. It also includes tracking of the finished goods which are needed to be delivered to clients for various countries across the globe.

Duration: 4 years

Onsite: Implementation and technical support of SFCS application in different manufacturing plants in Sri Lanka.

Title: Shakthi QC – Opstech Pvt Ltd

Technologies: React, Material UI, Node Js, Express Js, MySQL

Tools: Jira, Bitbucket, Vs Code, Slack

Role: Senior Developer

Responsibilities:

- Attended daily scrum meetings to update task status and also participated in weekly sprint retro, review and planning sessions.
- Gathering requirements from customer, Design and develop database schema with entities and attributes.
- Defined routes to map urls to controllers that handle requests.
- Worked with different Http methods to perform different data operations (REST Api's).
- Implemented planning and scheduling algorithm which creates job orders based on availability in advance.
- Created middlewares to handle requests, exceptions and logging.
- Performed database query logics using sequelize ORM.
- Created reusable components that encapsulate data and logic.

Synopsis: A Web and Mobile Platform that facilitates manufacturing industries manage functional, quality & operational standards while intelligently tracking WIP product parameters at every stage. Application tracks cylinder manufacturing process, it consists of modules such as order management, production tracking and quality assurance.

Duration: 2 years