Name: Suman Dey

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Profile Summary

As a seasoned Full Stack Developer with over 7 years of professional experience, I bring advanced expertise in modern web development technologies, particularly **React.js**, **Next.js**, and **Node.js**. My specialization lies in creating robust, scalable, and secure applications using cutting-edge tools and frameworks.

I have deep technical proficiency in **React hooks** (such as useState, useEffect, useContext), advanced state management techniques using **React Query**, and form handling with **React Hook Form**. My experience extends to building complex custom components, and dynamic data grids using **React Table** and leveraging **Next.js** for server-side rendering (SSR) and static site generation (SSG).

On the backend, I excel in **Node.js**, leveraging **Express.js** for creating secure APIs with advanced session management, cookies, and **OpenAPI** for seamless documentation. My knowledge of **worker threads** and **cluster modules** ensures performance optimization and load balancing for high-traffic applications.

Key achievements include implementing **Vite.js** for high-performance development environments, **Swagger** for API documentation, and using **AWS** for scalable cloud solutions. I have also designed efficient **microservices architectures** and deployed secure and scalable applications.

I am committed to delivering high-quality software with a focus on performance optimization, maintainable code, and team collaboration. My ability to lead complex projects and mentor teams makes me a valuable asset to any organization striving for technological excellence.

CAREER HIGHLIGHTS

- **Mastery in Frontend Technologies**: Delivered high-performance web applications using **React.js**, **React Query**, **React Hook Form**, and **React Table**, along with **Next.js** for server-side rendering (SSR) and static site generation (SSG). Built reusable custom components and optimized workflows for scalable and maintainable solutions.
- **Designed and implemented secure API architectures** using **Express.js**, cookies, and session-based authentication, ensuring compliance with modern security standards.
- **Optimized backend performance** by implementing **Node.js worker threads** and **cluster modules**, enabling the system to handle high traffic efficiently.
- **Built reusable custom components** in **React.js** to simplify workflows, promote code reusability, and reduce development time.
- **Integrated OpenAPI specifications** to streamline API documentation and testing processes, improving developer efficiency.
- **Utilized Vite.js** to establish fast and efficient development environments for modern web applications.
- **Backend Performance Optimization**: Engineered scalable backend systems using **Node.js**,

Express.js, and **worker threads** for high-traffic applications. Designed secure API architectures with advanced session management, cookies, and **OpenAPI** integration for seamless documentation.

- **Modern Development and Cloud Integration**: Spearheaded the adoption of **Vite.js** for fast and efficient development, implemented **Swagger** for robust API documentation, and integrated **AWS** services like **S3** and **EC2** for secure and scalable cloud solutions.
- **Implemented React Table** for advanced data grid functionalities, including sorting, filtering, and dynamic column generation.
- **Led teams to build dynamic forms** using **React Hook Form**, ensuring accurate validation and efficient submission processes.
- **Developed cluster-based load-balancing solutions** for Node.js applications, enhancing system stability during peak loads.
- **Established CI/CD pipelines** for automated deployments, reducing time-to-market and ensuring build consistency.
- **Implemented Swagger-based API documentation**, allowing seamless integration and collaboration between development and QA teams.
- **Designed and deployed microservices architecture** for large-scale projects, promoting modularity and scalability.
- **Integrated AWS services**, including S3 for file storage and EC2 for hosting, ensuring high availability and security.
- **Enhanced database performance** by optimizing queries and using tools like **TypeORM** for efficient data management.
- **Developed hybrid and native applications** with seamless integrations using **SAPUI5**, **Cordova plugins**, and custom SDKs.

WORK EXPERIENCE

ROITech Consulting Private Limited
SAP Consultant & Full Stack Developer (June 2023 – Present)

- Completed three projects as a Team Lead, utilizing React.js, TypeScript, react-query, and react-form.
- Demonstrated expertise in building highly interactive and responsive user interfaces using React.js, ensuring a seamless user experience.
- Implemented complex data management and state management solutions using react-query, optimizing performance and data fetching.
- Utilized TypeScript to enhance the development process, ensuring type safety and improved code quality.
- Effectively utilized react-form to create dynamic and customizable forms, enhancing user input and data validation.
- Collaborated with cross-functional teams, including designers and stakeholders, to understand project requirements and deliver high-quality software solutions.
- Implemented best practices and coding standards in React.js development, ensuring maintainable and scalable codebases.
- Successfully integrated React.js applications with back-end APIs and services, ensuring smooth data flow and functionality.
- Actively participated in code reviews and provided constructive feedback to team members, fostering a culture of continuous improvement.
- Stayed up-to-date with the latest trends and advancements in React.js, TypeScript, react-query, and react-form, ensuring the application of cutting-edge technologies in project development.

ROITech Consulting Private Limited

SAP Consultant & Full Stack Developer (April 2021 – June 2023)

- Work on a big project Which has 10-15 different modules with multiple complex logic.
- Knowledge of building custom login application in Planet 9
- Knowledge of building complex custom launchpad in planet 9
- Knowledge in connecting multiple application in custom launchpad as well as standard launchpad planet 9
- Knowledge in handling big data in script editor using es6 module.
- Knowledge of building application restricted using ad group connectivity planet 9.
- Knowledge of creating E-signature authentication system in planet 9.
- Knowledge in S3 bucket save, delete, get and archiving files.
- Knowledge in saving files in planet 9 server system path.
- Knowledge in sending email using planet 9 or with planet 9 and nodemailer.
- Knowledge in generating any kind of PDF file from script level or in UI.
- Knowledge in sending email with any kind of file attachment from planet 9 server script.
- Developed one application which can handle copy past from excel to ui5 table with formatted data.
- Knowledge of handling complex logic for charts and dashboard.
- Highly skilled and experienced Full Stack Developer with expertise in React and Node.js.
- Extensive experience in designing and developing web applications using React, Node.js, and other modern front-end and back-end technologies.
- Proficient in creating RESTful APIs using Node.js and integrating them with React applications.
- Strong experience with database technologies such as MongoDB, MySQL, and PostgreSQL, and integrating them with Node.js applications.
- Excellent knowledge of front-end technologies such as HTML, CSS, and JavaScript and familiarity with modern front-end frameworks such React, UI5, jQuery.
- Ability to work with various cloud-based services such as AWS, and knowledge of deploying applications to the cloud.
- Solid understanding of Agile methodologies and experience working in a collaborative environment with cross-functional teams.
- Skilled in using version control systems such as Git and familiarity with project management tools like Jira and Trello.
- Strong analytical and problem-solving skills, with an ability to troubleshoot and resolve complex issues.
- Excellent communication and interpersonal skills, with the ability to work effectively in a team environment and communicate technical information to non-technical stakeholders.
- Knowledge of handling millions of data in excel in server script planet 9
- Knowledge in processing excel file and validations.
- Knowledge in generating any kind of excel sheet from script level as well as frontend.
- Knowledge in EDL or any third part db connection in planet 9

ROITech Consulting Private Limited
Associate SAP Consultant & Full Stack Developer (March 2019 – April 2021)

- Develop Ui5 Application, convert frontend HTML to PDF.
- Develop Ui5 Application to download and upload excel files.
- Develop SAP comfortable hybrid application.
- Develop native Android code to Cordova plugin.
- Develop Cordova plugin for Honeywell printing using native sdk.
- Develop SAP Fiori based solutions catering to all scenarios and complexities including Web, Hybrid, Fiori Client and Native.
- Develop Offline applications using Planet 9.
- Develop a complex UI5 application on planet 9 with OData.
- Develop UI5 applications with login and backend using Firebase.

- Develop Hybrid applications on planet 9.
- Knowledge in Configuration of Cloud Portal and Ui5 Theming.
- Knowledge in LaunchPad Configuration.
- Knowledge in developing planet 9 applications using Custom database.

Technical Skills Set

NodeJS, React, JavaScript, HTML5, CSS, jQuery, JSON, Android SDK, TypeORM, SAPUI5, Planet9, SQL

Front-End Expertise:

- Advanced implementation of **React hooks** (useState, useEffect, useContext).
- Proficient in state management and data fetching with **React Query**.
- Expertise in building dynamic forms using **React Hook Form**.
- Advanced data grid functionalities using **React Table**.
- Experience in creating reusable and complex custom components for efficient workflows.
- **Next.js** expertise for server-side rendering (SSR) and static site generation (SSG).

Backend Development:

- Comprehensive backend solutions using **Node.js** and **Express.js**.
- Advanced **API security and authentication** techniques with cookies and session-based mechanisms.
- Optimizing backend performance with **worker threads** and **cluster modules**.
- Designing and implementing **microservices architecture** for scalable applications.

Tooling and Frameworks:

- Proficient in using **Vite.js** for fast and optimized development.
- API documentation and testing with **OpenAPI** and **Swagger**.
- Database integration and optimization using **TypeORM**.

Cloud and Deployment:

- Skilled in integrating **AWS** services (e.g., **S3**, **EC2**) for scalable cloud solutions.
- Establishing **CI/CD pipelines** for seamless and automated deployments.

Development Tools:

- Tools like **Visual Studio Code**, **WebStorm**, **Git**, and **Android Studio**.
- Multi-platform development expertise using **macOS**, **Windows**, and **Linux**.

Soft Skills:

- Innovative problem-solving abilities and strategic thinking.
- Strong leadership in guiding teams and optimizing performance.

Development Tools Used

Visual Studio Code, WebStorm, Android Studio, Eclipse, GIT, Planet9, macOS, Windows, Linux

Soft Skills

Innovative, Strategic Thinker, Performance Optimizer

Academic Details

BCA, Vidyasagar University, Purva Medinipur, WB in 2019

Major Projects

Project Name: JJV

Duration: 1 years
Technologies: Nextjs, Typescript, react-form, react-query etc
Role: Developer

Project Name: Helpdesk Application

Duration: 1 years
Technologies: Reactjs, Typescript, react-form, react-query etc
Role: Team Lead

Project Name: Alumni Application

Duration: 1 years
Technologies: Reactjs, Typescript, react-form, react-query etc
Role: Team Lead

Project Name: Zudio Application

Duration: 1 years
Technologies: Reactjs, Typescript, react-form, react-query etc
Role: Team Lead

Project Name: RSC (Right Stage Customization)

Duration: 3 years
Technologies: OpenUI5, Nodejs, Postgres Database, Planet9
Role: Full Stack Developer

Project Name: EOV

Duration: 1 years
Technologies: OpenUI5, Nodejs, Postgres Database, Planet9

Role: Full Stack Developer

Project Name: PMS (Project Management System)

Duration: 2 years
Summary: A full-stage application to manage projects and team efforts.
Technologies: React, Nodejs, TypeORM, Postgres
Role: Architect & Team Lead (Make sure the project structure is perfect and code can be extendable)

Project Name: TMS (Talent Management System)

Duration: 1 year
Summary: A full-stage application to manage resumes and arrange Jobs.
Technologies: Reactjs, Nodejs, TypeORM, Postgres, typescript
Role: Architect & Team Lead (Make sure the project structure is perfect and code can be extendable)

Project Name: Route Config

Duration: 1 year
Technologies: Fiori, SAPUI5
Role: Front End Developer

Project Name: Colibri

Duration: 6 Month
Summary: Delivery Application
Platform: Android
Technologies: Java, Android SDK
Role: Android Developer

Awards & Recognition

Star Achiever Award	Aug 2021
Star Performer Award	Jan 2021
Service Award (5 Years) (ROITech)	Aug 2024

Personal Details

Date of Birth: 21st Sep, 1997
Languages Known: English, Hindi, Bengali