Animesh Raj

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DESCRIPTION

I am Animesh Raj, a **skilled Software Engineer** specializing in **Full-Stack Web and Mobile Development**. I excel in building robust solutions for diverse **web applications**, leveraging technologies such as **React, Node.js, and MongoDB**. Currently, I am **broadening my expertise in Rust, Lua, C, and C++**. My passion lies in electronics, computer science, and advancing in data science and machine learning.

EDUCATION

University Institute of Technology, The University of Burdwan	2019 - 2023
Bachelor of Engineering in Electronics and Communication Engineering	*CGPA: 7.96/10.0*
Jawahar Vidhya Mandir Shyamali, Ranchi	2016 - 2018
AISSCE - CLASS 12 and with subject Physics, Chemistry, Maths and Computer Science	*Percentage: 74.2/100*

EXPERIENCE

Tata Consultancy Services | Full Stack Engineer — React.js, **Node.js**, **Typescript**, **Java**, **Spring Boot**, **Hibernate**, **MongoDB**, **SQL**   July 2023 - Present

- **Actively involved** in designing and implementing full stack web applications to address complex business challenges.
- Utilized a diverse technology stack including **React.js, Node.js, Typescript, Java, Spring Boot, Hibernate, MongoDB, and SQL**.
- Developed comprehensive solutions tailored to **specific client requirements**.
- Played a key role in creating **RESTful APIs, frontend interfaces, and backend microservices**.
- Provided **end-to-end solutions** in various business domains, such as the **food industry**.
- Demonstrated expertise in **integrating multiple technologies** to deliver **scalable and efficient solutions**.

Optimum Wellness | Full Stack Engineer — Next.js, **React.js**, **Node.js**, **MongoDB**   April 2022 – July 2022

- Led the development of a **dynamic website** using Next.js, React.js, Node.js, and MongoDB, **optimizing performance**, **SEO**, and ensuring a **responsive frontend**.
- Managed and **integrated secure payment** processing, implementing **payment gateways** to deliver a user-friendly and secure transaction experience.
- Designed and executed a **microservice architecture** for efficient **email communication**, ensuring timely user interactions.
- Utilized **MongoDB for data storage**, managing **data models** and operations to ensure **data integrity** and **high performance.**
- Collaborated with the design team to create an attractive and **user-friendly interface** using **Tailwind CSS**.
- Contributed to **quality assurance and testing**, enhancing website reliability through **testing, debugging**, and **performance optimization**.
- Fostered **effective cross-functional** team collaboration to ensure a seamless project execution.

PROJECTS

itsarraj.me | **Next.js**, **React.js**, **Tailwind CSS**, **TypeScript**
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- Developed a **personal portfolio** website using **Next.js**, **React.js**, and **Tailwind CSS**.
- Designed the website to emulate the **Ubuntu 20.04 theme**, showcasing creativity in web design.
- Integrated a **contact form using EmailJS** for streamlined user communication.
- Offered detailed guidance for local setup with support for both **npm and Yarn**.
- Fostered **open-source collaboration** to improve project functionality.

CircuitCrafter | **React**, **Express**, **Tailwind CSS**, **MongoDB**, **JavaScript**, **TypeScript**, **PayPal's Client SDK**
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- Developed a **e-commerce** platform, CircuitCrafter, using **React**, **Redux**, **Express**, and **Tailwind CSS** .
- Implemented **secure user authentication** and user profile management, enhancing the shopping experience.
- Integrated a reliable **payment gateway** powered by **PayPal** to ensure secure transactions.
- **Designed** an appealing **home page** with product listings and pagination, providing a **user-friendly** interface.
- **Supported** both **frontend** and **backend** development and set up environment variables for easy local testing.
- Images are **temporarily stored in memory** before being uploaded to the cloud, allowing for efficient and flexible image management.
- Demonstrated proficiency in a tech stack that includes **MongoDB**, **Cloudinary**, and **Express** .

Kruxigen | **React**, Vite, **Node.js**, **Express.js**, **MongoDB**, **TypeScript**, **Axios**, **Styled-Components**
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- Developed an **Educational Services Platform** using **TypeScript**, **Node.js** and **React**.
- Focused on providing **full-stack web development tutoring** with a specialization in the **MERN stack**.
- Implemented **modular template structure** to ensure consistency and ease of adding new educational content.
- Designed a **responsive and user-friendly interface** to enhance the learning experience.
- Integrated a robust **contact form** for seamless user interaction and inquiry handling.
- Employed **TypeScript** for type-safe development and improved code quality.

SKILLS

Languages: **Typescript**, **JavaScript**, **C**, **C++**, **Python**, **Java**, **HTML5/CSS3**

Frontend Development: **React.js**, **React Native**, **Next.js**, **Tailwind CSS**, State Management Libraries (**Redux**), **UI/UX** Frameworks (**Material-UI**)

Backend Development: **Node.js**, **Nest.js**, **Express.js**, **GraphQL**, **SpringBoot**, **RESTful APIs**, **WebSockets**

Databases: **MongoDB**, **MySQL**, **PostgreSQL**, **SQLite**, **Redis**,

DevOps and Deployment: **Git**, **Github**, **Gitlab**, **CI/CD** (**Jenkins**), Containerization (**Docker**), Orchestration (**Kubernetes**), Cloud Platforms (**AWS**, **Digital Ocean**), Server Management (**Nginx**)

Frontend Tooling: Visual Studio Code, Webpack, Babel, ESLint, Style Preprocessors (**SCSS**), Frontend Build Tools (**Gulp**), Testing Frameworks (**Jest**, **Cypress**)

Backend Tooling: **Postman**, API Documentation (**Swagger**)

Mobile App Development: **React Native**, **Flutter**

Design and Collaboration: **Figma**, **Git** Version Control

Security and Authentication: Authentication and Authorization - **JWT**, Security Best Practices - **SSL/TLS**

Developer Tools: **NeoVim**, **VIM**, **Arch Linux**, **Ubuntu**, **grep**, **Bash**, **Linux GNU Core Utils**

Other Skills: **UI/UX Design**, **Content Creation**, **Video Editing**, **DevOps**

CERTIFICATION

Stephen Grider — NestJS: The Complete Developer's Guide   July, 2024
  🔗 View Certificate

Ariel Weinberger — NestJS Zero to Hero - Modern TypeScript Back-end Development   July, 2024
  🔗 View Certificate

Chad Darby — Spring Boot 3, Spring 6 & Hibernate for Beginners   April, 2024
  🔗 View Certificate

in28Minutes Official — Spring Framework Master Class - Java Spring the Modern Way   April, 2024
  🔗 View Certificate

in28Minutes Official — Master Microservices with Spring Boot and Spring Cloud   May, 2024
  🔗 View Certificate

Academind — React, NodeJS, Express & MongoDB - The MERN Fullstack Guide   May, 2024
  🔗 View Certificate

Coding Ninja — Back End — Full Stack Web Development in Node.js   May, 2023
  🔗 View Certificate

Coding Ninja — Full Stack — Advance Front-End Web Development with React   August, 2023
  🔗 View Certificate

Coding Ninja — Front End — Full Stack Web Development   February, 2023
  🔗 View Certificate

Coding Ninja — Java — Data Structures in Java   January, 2023
  🔗 View Certificate

Coding Ninja — Java — Introduction to Java   November, 2022
  🔗 View Certificate

Internshala — Python — Programming with Python   July, 2022
  🔗 View Certificate

University of Michigan — Python — Getting Started with Python   May, 2022
  🔗 View Certificate

IBM — Introduction to Web Development with HTML, CSS, JavaScript   July, 2022
  🔗 View Certificate

Johns Hopkins University — HTML, CSS, and Javascript for Web Developers   July, 2022
  🔗 View Certificate