

Animesh Raj

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Summary and Objective

Skilled software engineer with expertise in **Java Full Stack Development**, specializing in **Core Java, API Management**, and **Microservices**. Proficient in **ReactJS, NodeJS, Spring Boot**, and **DevOps tools** like **Docker, Kubernetes, AWS**. Experienced with **MongoDB, MySQL**, and secure coding practices using **ZAP, Semgrep, Snyc, Trufflehog**. Passionate about learning new technologies and delivering reliable solutions.

Technical Skills and Interests

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

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

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), Docker (Containerization), Kubernetes (Orchestration), Cloud Platforms (AWS, Digital Ocean), Server Management (Nginx)

DevSecOps: ZAP (DAST), Semgrep (SAST), Snyc (SCA & SAST), TruffleHog (Secret Detection)

Frontend Tooling: Visual Studio Code, Webpack, Babel, ESLint, SCSS, Gulp, Jest, Cypress

Backend Tooling: Postman, Swagger (API Documentation)

Mobile App Development: React Native

Design and Collaboration: Figma, Git Version Control

Security and Authentication: JWT (Authentication & Authorization), SSL/TLS (Security Best Practices)

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

UI/UX Design Tools: Figma

Other Tools: Content Creation, Video Editing, DevOps Practices

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Database Management System, Software Engineering

Areas of Interest: Web Design and Development, Cloud Security, DevOps Practices

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

Experience

Tata Consultancy Services

December 2023 - Present

Full Stack Engineer and DevSecOps Engineer

Kolkata, West Bengal

- Built with **React.js** and **Node.js**, leveraging **Gen AI models** for natural language understanding and contextual responses.
- Designed and implemented a highly optimized **query distribution system**, reducing response latency by 40% through efficient load balancing and caching mechanisms.
- Integrated advanced **ML models** for predictive user behavior analysis, enhancing chatbot engagement and personalization.
- Deployed a robust **CI/CD pipeline** with automated testing and monitoring tools like **Snyk** and **ZAP**, ensuring secure and seamless deployment.
- Architected scalable **microservices** using **TypeScript** and **Node.js**, enabling modular and efficient handling of millions of queries daily.
- Improved **API throughput** by 30% by implementing optimized algorithms for real-time query processing and data serialization.
- Delivered insights into user interaction data via **MongoDB aggregation pipelines** for actionable analytics, enabling continuous improvement of chatbot features.
- Collaborated with cross-functional teams to refine user experience, ensuring responsiveness and accessibility for diverse audiences.
- Actively involved in designing and implementing full stack web applications to address complex business challenges.

Optimum Wellness

April 2022 – July 2022

Full Stack Engineer

Remote

- 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 seamless project execution.

Education

Bachelor of Engineering in Electronics and Communication Engineering

University Institute of Technology, The University of Burdwan

AISSCE - Class 12 (Physics, Chemistry, Maths, and Computer Science)

Jawahar Vidhya Mandir Shyamali, Ranchi

2019 - 2023

CGPA: 7.96/10.0

2016 - 2018

Percentage: 74.2/100

Certifications

Academind React Native - The Practical Guide [2024]	View Certificate
Academind Docker & Kubernetes: The Practical Guide [2024 Edition]	View Certificate
Stephen Grider NestJS: The Complete Developer's Guide	View Certificate
Ariel Weinberger NestJS Zero to Hero - Modern TypeScript Back-end Development	View Certificate
Chad Darby Spring Boot 3, Spring 6 & Hibernate for Beginners	View Certificate
in28Minutes Official Spring Framework Master Class - Java Spring the Modern Way	View Certificate
in28Minutes Official Master Microservices with Spring Boot and Spring Cloud	View Certificate
Academind React, NodeJS, Express & MongoDB - The MERN Fullstack Guide	View Certificate
Coding Ninja Back End Full Stack Web Development in Node.js	View Certificate
Coding Ninja Full Stack Advance Front-End Web Development with React	View Certificate
Coding Ninja Front End Full Stack Web Development	View Certificate
Coding Ninja Java Data Structures in Java	View Certificate
Coding Ninja Java Introduction to Java	View Certificate
Internshala Python Programming with Python	View Certificate
University of Michigan Python Getting Started with Python	View Certificate
IBM Introduction to Web Development with HTML, CSS, JavaScript	View Certificate
Johns Hopkins University HTML, CSS, and Javascript for Web Developers	View Certificate

Personal Projects

itsarraj.me

A personal portfolio website showcasing skills, projects, and achievements.

Dec 2020 - Present

[Live](#) [Code](#)

- Developed using **Next.js**, **React.js**, and **Tailwind CSS**.
- Emulated the **Ubuntu 20.04 theme** for creative web design.
- Integrated a **contact form** using **EmailJS** for user interaction.
- Provided detailed setup instructions supporting both **npm** and **Yarn**.
- Fostered **open-source collaboration** for ongoing project improvements.

CircuitCrafter

An e-commerce platform built with React, Express, and MongoDB to sell electronic components.

Sept 2022 - Present

[Live](#) [Code](#)

- Developed using **React**, **Redux**, **Express**, and **Tailwind CSS**.
- Implemented **secure user authentication** and profile management.
- Integrated **PayPal's Client SDK** for secure payment processing.
- Designed a responsive **home page** with product listings and pagination.
- Implemented both **frontend** and **backend** development.
- Handled **temporary image storage** before uploading to the cloud.
- Tech stack includes **MongoDB**, **Cloudinary**, and **Express**.

Kruxigen

An educational services platform offering full-stack web development tutoring with MERN stack focus.

July 2022 - Present

[Live](#) [Code](#)

- Developed using **TypeScript**, **Node.js**, **Express**, and **React**.
- Specialized in **full-stack web development tutoring**.
- Implemented a **modular template structure** for easy content updates.
- Created a **responsive and user-friendly interface**.
- Integrated a robust **contact form** for user inquiries.
- Employed **TypeScript** for type-safe and maintainable code.

Design Projects

Job Portal Design - CodeCareerHub BerufPlattf

A comprehensive job portal interface design with modern UI/UX principles and user-centric features.

Dec 2022 - Present

[View Design](#)

- Created an intuitive and responsive design system incorporating **modern UI components**, **user flow diagrams**, and **interactive prototypes** for seamless job search and application process.

Positions of Responsibility

Chapter Lead TheCodeBird - Coding Club UIT-BU

Nov 2020 - Jan 2022

- Led a **25-member team** to organize **10+ virtual events** with **2000+ participants**, including coding competitions, speaker sessions, and alumni meetups.
- Designed **technical challenges** and coding assessments to evaluate and enhance programming skills.