

ANSHUMAN NAYAK

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Professional Summary

Results-driven Software Engineer with over 5 years of experience designing, developing, and deploying high-impact software solutions. Proven expertise in building scalable applications, optimizing data-intensive pipelines, and leading development teams to success. Adept at leveraging a wide range of technologies, including Python, JavaScript, Node.js, React, and AWS to solve complex problems and deliver business value. Seeking to apply my skills in a challenging role that fosters innovation and growth.

Professional Experiences

Software Engineer | Zeno Health (Workcell Solutions)

Feb 2024 – Present

- Engineered a high-performance payment gateway processing over 15,000 daily transactions.
- Designed and optimized ETL pipelines for the monthly migration of more than 10 billion records, ensuring data integrity and efficiency.
- Led a team of 10 developers, driving the achievement of critical business objectives and fostering a collaborative environment.
- Scaled NLP and GPT-4 powered chatbots to handle over 1 million customer inquiries, significantly improving customer support efficiency.
- Developed Zeno Rewards Application, handling 250+ offline stores and 2 million active customers monthly using React JS, Node JS, Python, and MySQL backend

Associate Software Engineer | Carelon Global Solutions LLP

Jul 2022 – Feb 2024

- Spearheaded the creation of a low-code platform for the Data API Gateway, reducing development time from 14 days to just 2 hours.
- Engineered a fault-tolerant and scalable core for the platform, supporting over 2,000 data scientists and more than 5 enterprise applications.
- Managed the complete lifecycle of diverse data models and implemented robust alerting and monitoring systems.

Fullstack Developer | Nex Verse Pvt. Ltd.

Jan 2019 – Mar 2022

- Developed the user interface for a Cordova-based hybrid social media application, growing the user base to over 8,000 users and 15 businesses.
- Utilized Node.js and MongoDB for robust backend development and implemented AWS EC2 autoscaling to handle traffic growth.

- Integrated key features such as push notifications, in-app messaging, A/B testing, and analytics using Firebase to enhance user engagement.

Technical Skills

- **Languages:** Python, JavaScript, Go, C
- **Frameworks/Libraries:** Node.js, React, Next.js, Express, Django, Flask, GraphQL, TypeScript, TensorFlow, OpenCV, Kafka, Electron JS
- **Databases:** MySQL, PostgreSQL, MongoDB, Snowflake, Firebase
- **Tools & Platforms:** AWS, Docker, Git, Jira, Nginx, GitHub Copilot, GPTs

Key Projects

Graph CMS | Low-code Fullstack Headless CMS

- Architected a headless CMS that seamlessly integrates with SQL or NoSQL data sources, drastically reducing backend development time.
- Generated high-quality, maintainable code for complex backends, offering both GraphQL and REST APIs for versatile integration.
- Frontend developed with Next JS, React JS, and Tailwind
- Backend has been developed using NodeJS, GraphQL, MongoDB, and other SQL databases
- Utilised Kafka for effective inter-process communications

SpectraML | Low-code AutoML Platform

- Developed an open-source AutoML platform for spectroscopic data analysis, automating preprocessing, model selection, and evaluation.
- Built interactive visualizations and implemented domain-specific signal processing to enhance model interpretability and robustness.
- It's a web-based application, built using FastAPI, Python, REST API, MongoDB, and MySQL

Zeno Rewards | Reward-based consumer engagement Platform

- Developed a customer rewards program for the Zeno Health e-commerce platform using Next.js and Tailwind CSS.
- Implemented hybrid server-side and client-side rendering to optimize load times and enhance security.
- Architected a polyglot backend with Node.js and Python, using MySQL for data and transaction management.
- Scaled the platform to support 200+ offline stores and over 20 million active users.

Education

- ❖ Master of Technology, Agricultural Systems and Management
Indian Institute of Technology Kharagpur (**IIT Kharagpur**) | CGPA: **9.51/10**
- ❖ Bachelor of Technology, Agricultural Engineering
Orissa University of Agriculture and Technology | CGPA: **8.50/10**

Certifications & Awards

- Meta Back-End Developer Certification
- Apollo GraphQL Developer Associate
- Silver Elite Award in Data Analytics, IIT Roorkee
- All India Rank 67, GATE 2020
- Responsible and Safe AI, IIT Madras & IIIT Hyderabad
- Holder of a patent for smartphone technology detecting water and soil contaminants.