

ANIK GHOSH

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FULL-STACK DEVELOPER

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EXPERIENCE -

FullStack Developer, The Contentment Foundation (Aug, 2021)

- Engineered user-centric features for a global wellness training program, enhancing learning experiences for teachers and students in 17 countries.
- Developed a comprehensive survey system to evaluate and tailor training content, alongside creating a dynamic data dashboard for user analytics and app usage insights.
- Built a Content Management System using Strapi and Next.js for streamlined content updates in the help center.
- Implemented a global real-time tracking system for foundation members, fostering community engagement and monitoring.
- Wrote End-to-end tests using Cypress and integrated Sentry for efficient bug tracking in production environments.
- Established and managed CI/CD pipelines, ensuring streamlined testing and deployment processes.
- Implemented a data tracking and analytics system using the Open Source Analytics framework Umami.

Core Team Member, Authorizer (Dec, 2021)

Authorizer is an open-source solution for authentication and authorization, self-hosted and compatible with all popular databases.

- Developed and enhanced frontend SDKs for Svelte, Vue, Angular from the ground up, and restructured the React SDK, achieving a 50% reduction in size for enhanced integration efficiency across diverse web frameworks.
- Created a user-friendly dashboard for the straightforward configuration and management of Authorizer instances.
- Contributed to the implementation of new features for environmental settings, user management, email template customization, webhook setup, and JWT configuration.
- Collaborated on a significant pull request to introduce multi-factor authentication, enhancing platform security.
- Designed and developed a Rust-based CLI tool for efficient administration and operations of any Authorizer instance.

Freelance Backend Engineer, Trace & Transparency (Jun, 2023 - Dec 2023)

- Developed the core backend for a supply chain management system in Go, focusing on the entire product lifecycle from raw materials to finished products.
- Implemented a microservices architecture to enhance system scalability and reliability.
- Managed cloud-based data storage and operations using AWS, ensuring robust data security and efficient access.
- Designed and maintained APIs for seamless integration with internal and external platforms, facilitating effective data communication and third-party service interactions.
- Implemented real-time data processing and analytics features using Apache Kafka for data streaming and Elasticsearch for search functionality.
- Ensured system security and user data protection, adhering to best practices in authentication and authorization with OAuth protocols.

Frontend Developer, [ReactiveSearch.io](#) (Nov, 2020 - Jul 2021)

- Played a significant role in developing user-friendly features for data upload, mapping, and tokenization, catering to single or multiple search indices.
- Actively contributed to ReactiveSearch and SearchBox, open-source low-code UI kits for Elasticsearch, across React JS, Vue JS, React Native, and Flutter.
- Created tools for visualizing search analytics, enabling advanced filtering and aggregation operations for deeper data insights.
- Authored technical documentation and interactive demos, simplifying SDKs and library usage for the developer community.
- Collaborated with cross-functional teams on UI design enhancements, feature improvements, code reviews, and optimization processes, contributing to the continuous evolution of products.

Teaching Assistant, AttainU (Apr, 2020 - Oct, 2020)

- Provided critical support to instructors and students, assisting with coding challenges, assignments, and clarifying technical concepts to enhance the learning experience.
- Managed and shared educational resources like session videos and solutions.
- Collaborated with the teaching team in curriculum development and student assessment, contributing to the continuous improvement of the educational program. Sessions - [link](#) & Solutions - [link](#).

Software Engineer, Mindtree Ltd. (Aug, 2013 - Dec, 2013)

- Developed a flexible Flight Booking System that offers users the capability to reserve pre-booked seats. Leveraging a set of predetermined algorithms, the system efficiently allocates final seats and seamlessly rearranges flyers between flights.

SKILLS -

Javascript, Typescript, React JS, Redux, Node JS, Express JS, Vue JS, Next JS, Angular, Svelte, Redis, GraphQL, MongoDB, PostgreSQL, React Native, Flutter, Python, GoLang, Solidity, Git, Linux, Nginx, AWS, GCP, Vercel, Railway, VMs, Docker, Kubernetes, Jenkins, Terraform, Ansible, Grafana, Prometheus.

PROJECTS -

[GO-PACK-NODE](#) (Node Package Manager - Go), [IPGIT](#) (Version control using IPFS - Go), [SMART AVATARS](#) (Interactive NFTs on Polygon - JS), [VIBES TRACKER](#) (Browser extension for emotion detection works offline - JS), [EASY SCRIPT](#) (Simple scripting language with a Go Interpreter), [BITCOIN NOTIFIER](#) (Time-series analysis on Bitcoin price movement based on ARIMA - Python).

TRAINING & CERTIFICATIONS -

[Ethereum and Solidity](#), [Browser Extensions](#), [Data Structures & Algorithms](#), Ethical Hacking ECC(V8).

ADDITIONAL EXPERIENCE -

Partner - Needspro (Nov, 2015 - Oct, 2018), Personal Banker - HDFC Bank Ltd. (Jun, 2015 - Dev, 2015), Operations Manager - Thapasu Foods (Apr, 2019 - Nov, 2019).

EDUCATION -

Bachelors of Engineering in Electronics & Telecommunication (2008 - 2012).