

Sudipta Ghosh

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Skills

- Javascript | Typescript | React Js | Next Js | Node Js | Nest Js | Express | Angular | PHP | Redux | React Query | Electron | Redux toolkit | Ionic | GIT | Material UI | AntD | Chrome Extension | Jest | Mocha
- AWS | GCP | Azure | lambda | App Engine | Cloud Run | CICD | Memcache | Redis | Datastore | MongoDB | MySQL | Kubernetes
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | OOP

Experience

Brain Station 23 PLC, Dhaka, Bangladesh — Staff Software Engineer

November 2018 - PRESENT

Axar.ai (AI Agentic Framework) (Lead contributor) - Node JS, Typescript, LLM, RAG, Vector DB, Cloud

- Led the development of AXAR AI, a lightweight TypeScript framework for production-ready agentic applications, enabling structured, reliable, and model-agnostic LLM integrations.
- Designed a type-first architecture with decorators, dependency injection, and explicit control mechanisms, improving agent workflow predictability and maintainability.
- Developed streamed response processing and real-time logging for enhanced AI agent observability, ensuring transparency and control in production environments.

TimeTackle (YCW21) (Time tracking solution) (Lead) - React JS, Node JS, PHP, Java, Spring boot, GCP, cloud, AM Charts, AntD, CICD, Serverless

- Orchestrated the seamless integration of Google Calendar, Outlook Calendar, Deel HRM, Salesforce CRM, HubSpot CRM, and ClickUp Project Management systems; optimizing time management and data collection for a 100+-member team, yielding a 40% increase in productivity and providing detailed time analytics.
- I achieved 50% cost optimization in GCP by implementing serverless Cloud Run while improving service quality under higher loads.
- Optimized React.js and Node.js performance, identifying and resolving bottlenecks to boost application speed by 40%, resulting in a 25% increase in user retention and satisfaction metrics.
- Implemented asynchronous large data export functionality, seamlessly delivering data to AWS S3 for storage. Streamlined S3 setup through our developer portal, simplifying the process for users. Provided comprehensive API support to ensure smooth integration and optimal usage for our clients.
- Implemented an overall payment, onboarding, and dynamic reporting system from scratch.

HighTime AI(YCW21) (AI-Native Sales Workspace) (Lead) - React JS, Node JS, Electron, Java, Spring boot, GCP, cloud, ML, GPT-3.5 Turbo, CICD, Serverless, ZOOM

- Designed and implemented cutting-edge AI-powered sales solutions tailored to fast-paced individuals and teams, streamlining information processing through seamless integration with multiple platforms
- Crafted desktop-based solutions compatible with all operating systems, leveraging advanced features such as Zoom integration to facilitate efficient communication and collaboration
- Collaborated with Recall AI to implement voice-to-text functionality integrated with advanced text analysis algorithms.
- Based on GPT-3.5 turbo with prediction system makes sales easier.

Meed Banking Club (Banking Application) (Developer)- Ionic 3 & 4, React js, Node JS, AWS, Bulma, Chart JS

- Implemented Push Notification feature - both frontend and backend
- Product flow setup.
- E2E testing
- Developed the Money Transfer module with the Rewards program.
- 3rd party API integration.
- Implemented Biometric authentication for both iOS and Android

Appnion BD Ltd, Dhaka, Bangladesh — Software Engineer

November 2016 - October 2018

Momenta: (Skill training and pharma) - Js, PHP, Android (Developer & Lead)

- Revamped the education system for a leading pharmaceutical company, incorporating RSM work-tracking for improved productivity.
- Streamlined product flow setup to optimize efficiency and performance.
- Designed and developed a robust product architecture to guarantee scalability and resilience, capable of accommodating nearly 2,000 simultaneous users during peak periods, ensuring uninterrupted exam sessions for enhanced user experience and reliability.
- Seamlessly integrated various components for enhanced functionality and cohesion.
- Successfully implemented biometric authentication for both iOS and Android platforms, enhancing security and user experience.

Home Care - PHP, Android (Developer)

- Product architecture design and development
- Product planning and scheduling system management
- Team and client management

Education

Master of Science in Software Engineering in AI (CGPA - 3.79)

American International University, Bangladesh

Bachelor of Science in Software Engineering (CGPA - 3.88)

American International University, Bangladesh

Certification

AWS Certified Solutions Architect – Associate

Amazon Web Services (AWS)

AWS Certified Solutions Architect – Associate

Amazon Web Services (AWS)

Achievement

- Win the 2017 Bracathon for Networking for Young Apprentices.
- Instructor in cloud computing with AWS in Bohubrihi.
(<https://bohubrihi.com/track/full-stack-web-development>)