

Ayan Kumar Saha

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SKILLS

Programming Language: JavaScript, TypeScript, Java, Python, Dart

Frameworks/Tools: Angular, React.js (Redux), Express.js, Node.js, MongoDB, Spring Boot, PostgreSQL, Apache Cordova, Flutter, Docker, Git/Github, Agile Methodology, Microservices, Azure, CI/CD, User Interface/Experience (UI/UX)

Soft Skills: Problem solving, Team Management, Communication skills, Analytical skills

WORK EXPERIENCE

Bloomscorp

May 2023 - Present

Senior Engineer I (Full Stack)

Kolkata

- Contributed to the design and development of **Bloomsight, a sophisticated web analytics tool**, which ultimately yields an accuracy of **80% when compared to Google Analytics** (in specific metrics).
- Accomplished the **migration and unification** of two **B2B e-commerce websites** by building a **single, scalable platform** using **Angular, Spring Boot, and PostgreSQL**, eliminating reliance on **WordPress** and enabling **advanced product customization**.
- Accomplished a **95% reduction in deployment time** by developing multiple CI/CD pipelines using Azure Pipelines, decreasing the build and deployment process from **3-5 days** to **10-15 minutes**, which improved efficiency and eliminated manual intervention across **10 projects**.
- Built internal tools and libraries that **improved delivery speed and quality by 20%**, leading to a boost in customer retention.

Blu Cocoon Digital Pvt. Ltd.

Sep 2020 - Apr 2023

Tech Lead

Kolkata

- Led a team of **Full Stack and AI developers** to create a unique yard occupancy solution, boosting **container placement efficiency by 35%** and automating position detection and record-keeping.
- Conducted **8+ POCs**, scope of work documentation, and effort estimations for the PreSales Team, helping them acquire **5 new customers** and bill services more efficiently with improved pricing.
- Assisted in recruiting new talent and collaborated with HR on screening and reviewing assignments, leading to the successful recruitment of **8 efficient junior and senior engineers**.
- Led initiatives to optimize the performance of web and mobile apps, **reducing load times by 50%** and **improving user engagement by 30%** through code optimization and caching techniques.

Team Lead

Kolkata

- Single-handedly built over **15 CI/CD pipelines** for **web, Android, and iOS projects** using **Azure Pipelines**. This eliminated single-point dependency, **reducing deployment time by 80%**.
- Collaborated with **cross-functional teams across the USA, Thailand, and Singapore**, leveraging Agile principles to **plan, develop, and deliver 5 projects**, while effectively managing client relationships.
- Voluntarily mentored **10 junior engineers** during my free time, establishing best practices, defining career goals, and **organizing 12 technical learning sessions**, while **assisting with their daily tasks**.

Senior Associate Developer

Kolkata

- Within 18 months, planned and implemented multiple responsive, platform-independent apps, **reaching over 10,000 users globally**.
- Served as a support and maintenance engineer, **independently resolving three P1 issues**, and multiple backlog bugs—**one open for over 3 months**. Provided and documented RCA reports and solutions.

PROJECTS

Anuprerna

Built the backend infrastructure and CMS application for **anuprerna.com** using **Angular, Spring Boot, PostgreSQL, and AWS**, supporting its **e-commerce ecosystem** across online and offline operations, serving **500+ weekly users**. The platform includes advanced features for customizable product, user, order, payment, shipment, inventory, and process management.

Bloomsight

Planned, architected, and developed **bloomsight.io**, an in-house web analytics product, including a **npm and CDN-based JavaScript/TypeScript library** to capture user, session, and platform data, delivering advanced web analytics with **80-85% accuracy compared to Google Analytics**.

Scio

Developed a push notification-based communication app using **Dart/Flutter** for a NAAC-accredited Government College. The app serves as the college's primary communication tool, serving **3000+ users daily with negligible latency, ensuring 0 data loss**.

ngx-gtag

Built an open source **Angular library (SSR supported)** to work with **Google Tags Manager**

Container Management App

Led the development and maintenance of a **container management app** using **Angular, Azure Functions, MongoDB, and AI**, overseeing a team of developers. The app streamlined container check-in/check-out, yard occupancy planning, optimized placement, automated position detection, and included task management features.

Tapioca GrowTH & Partner App

Led the development of a **multi-platform application** (Android, iOS, and web) using **Angular, Azure Functions, MongoDB and Apache Cordova** for a **Fortune 500 company** to streamline tapioca farming and processing in Thailand, serving **2,500+ farmers in English and Thai**. The app improved communication, sustainable practices, and raw material delivery, earning **the best app recognition** across **120 countries and 60 sectors**.

Care First & Office Occupancy App

Designed, developed, and maintained a **multi-platform application** (web, Android, and iOS) using **Angular, Azure Functions, MongoDB and Apache Cordova** for a **Fortune 500 company** to track office occupancy and manage employee health status during the COVID-19 pandemic. The app served **10,000+ employees daily for 3 years**, ensuring real-time monitoring across web and mobile platforms.

AMS Method DB

Designed and developed an internal application for a **Fortune 500 company** using **Angular, Azure Functions, and MongoDB** to streamline the creation and management of thousands of food processing recipes globally. The app supports version control, and a review and approval workflow, ensuring only the latest recipes are used by end preparers.

AWARDS & SCHOLARSHIPS

BCD Gem Award 2023

Blu Cocoon Digital

Best Emerging Developer 2022

Blu Cocoon Digital

EDUCATION

Master Of Computer Applications (MCA)

University of Kalyani • GPA: 9.42

Kalyani • Sep 2017 - Aug 2020

Bachelor Of Computer Science (BSc. Hons.)

University of Burdwan • GPA: 78% in Hons, 62% in Overall

Burdwan • Jul 2014 - Jul 2017