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Debajyoti Dutta

Full Stack Developer

[LinkedIn Profile](#)
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[Portfolio Profile](#)

Experienced Full Stack MERN / PERN Developer | Frontend: HTML, CSS, JavaScript, React | Backend: Node.js, Express, Python | DevOps: Docker, Nginx, Azure | Databases: MongoDB, SQL | Expertise in REST APIs, Git | Proven Track Record in End-to-End Project Development & Innovative Problem-Solving.

EXPERIENCE

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- KibbCom India Pvt. Ltd., Bangalore – Senior Full Stack Developer** **Jan 2026 – Present**
- Designed and developed a workforce tracking product, including complete backend architecture and database schema.
 - Built and maintained scalable APIs using Node.js and Express, ensuring high performance and reliability.
 - Implemented Role-Based Access Control (RBAC) to manage permissions across different user roles securely.
 - Implemented caching strategies that reduced API latency by approximately 50%, significantly improving application responsiveness.
 - Containerized applications using Docker to optimize production builds and enable faster, consistent deployments.
 - Developed end-to-end features across React Web and backend.
 - Actively identified and resolved critical bugs, maintaining detailed tracking and documentation through Jira.
 - Contributed across the full Software Development Lifecycle (SDLC), from planning and design to deployment and optimization.
- DJ Interactive Labs Pvt. Ltd., Pune – Full Stack Developer** **Aug 2024 – Dec 2025**
- Documented software specifications and developed end-to-end features across React Web and React Native apps, with a backend built on Node.js and Express, leveraging Firebase and Google Cloud Platform.
 - Responsible for fixing major bugs and tracking the changes with proper documentation in Jira.
 - Contributed throughout the software development lifecycle (SDLC), from planning to deployment, while continuously learning.
- Cognizant Technology Solutions, Kolkata – Associate Software Engineer** **Oct 2023 – July 2024**
- Developed 10+ user stories, addressing diverse project requirements and ensuring comprehensive coverage of client needs.
 - Improved application maintainability by reducing post-deployment issues by 20% through strict adherence to coding standards, adding comprehensive comments for clarity, and integrating effective logging mechanisms for error tracking and debugging.
 - Contributed throughout the software development lifecycle (SDLC), from planning to deployment, while continuously learning.
 - Managed and supervised a team of 3 developers, increasing team efficiency by 25% through effective task delegation and guidance.
- Cognizant Technology Solutions, Kolkata – Jr. Software Engineer** **Sep 2022 – Sep 2023**
- Developed 15+ application features, resulting in a 10% improvement in application performance and a 5% reduction in loading times.
 - Conducted over 50 code reviews, ensuring adherence to coding standards and best practices, leading to a 20% decrease in defects.
- Cognizant Technology Solutions, Kolkata – Programmer Analyst Trainee** **Sep 2021 – Sep 2022**
- Analysed, debugged, and fixed over 100 bugs in production MERN stack web applications, improving system stability by 15%.
- Cognizant Technology Solutions, Kolkata – Application Development Intern** **Mar 2021 – Jun 2021**
- Trained on MERN Stack, REST, Postman, DBMS, HTML, CSS, React, Micro Services.

PROFESSIONAL PROJECTS

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- Workforce Management System (Swedish Company – HRMS Platform)**
- Architected and developed a scalable HRMS platform managing employee lifecycle, including attendance, leave tracking, payroll integration, and LOP calculations for 1K–2K users.
 - Designed optimized database schemas and indexing strategies, improving query performance by approximately 35%.
 - Integrated AWS SES & SNS with retry mechanisms, increasing notification delivery reliability to 99.9% while reducing manual intervention.
 - Built secure integrations with third-party payroll APIs, reducing payroll processing time by approximately 40%.
 - Implemented backend optimizations that reduced infrastructure and API costs by approximately 20%.
- OTT Platform Development (Leading Pharmaceutical Company, India)**
- Led the end-to-end development of a full-scale OTT platform serving 20K–50K users, supporting Webinars, Series, Seasons, Episodes, and video-on-demand content.
 - Integrated MUX for adaptive streaming, reducing buffering time by ~30% and improving playback performance.
 - Designed content architecture and APIs to handle high concurrency and scalable content delivery.
 - Built analytics pipelines using BigQuery, enabling real-time insights and reducing reporting latency by approximately 50%.
 - Integrated CleverTap push notifications, improving user engagement and retention by approximately 25%.
 - Optimized cloud resource usage, reducing overall streaming and infrastructure costs by approximately 18%.
- Survey & Analytics Dashboard (Pharmaceutical Client, India)**
- Developed a survey and analytics platform used by Medical Representatives to survey 10K+ healthcare professionals to capture drug usage insights.
 - Built dynamic dashboards with React, improving data visualization and decision-making efficiency.
 - Optimized backend APIs and query handling, reducing response times by approximately 40%.
 - Deployed on GCP, implementing cost-efficient scaling strategies that reduced cloud costs by approximately 22%.
 - Ensured high availability and reliability with robust API architecture and error handling.
- Blood Donation Camp Management System (Government of India Project)**
- Built a donor registration and certification platform supporting 15K–30K users across multiple campaigns.
 - Integrated SMS & WhatsApp notifications, increasing donor participation rates by approximately 35%.

- Automated scheduling workflows, reducing manual coordination efforts by approximately 50%.
- Designed lightweight and efficient backend services, minimizing operational costs while ensuring scalability.

Health Worker Tracker & Meeting Scheduler (Government of India Project)

- Developed a system to manage and track health workers across districts, supporting 10K–20K users.
- Implemented modules for meeting scheduling, reporting, and knowledge sharing, improving coordination efficiency by approximately 30%.
- Optimized API performance and database queries, reducing system latency by approximately 35%.
- Deployed scalable cloud infrastructure, reducing downtime and improving system reliability to 99.9% uptime.

Prescription Order Routing & Analytics System (US Pharmaceutical Enterprise)

- Engineered a high-performance backend routing system handling thousands of prescription transactions daily for 20K+ users which handles approximately 5 million prescription orders.
- Built middleware to bridge legacy and modern systems, reducing order processing delays by approximately 45%.
- Developed a real-time analytics dashboard, improving operational visibility and decision-making.
- Optimized request handling and queuing mechanisms, increasing throughput by approximately 50%.
- Reduced infrastructure and processing costs by approximately 25% through efficient service design and resource utilization.

PERSONAL PROJECTS

File Sharing

- A full-fledged file sharing site, where users can sign in/ sign up/ upload / download/ share files.
- Implemented Sign in/signup/upload/download/share. Containerized & deployed using Docker.
- Technologies: React, JWT, NodeJS, Express, Mongoose, MongoDB, Docker, Ubuntu (Linux).

[APP Link](#) [Github Link](#)

Habit Tracker

- A habit tracker app, where we can define habits and track them on a weekly basis.
- Implemented Add/Delete/Track Habits on a weekly basis. Deployed in self-hosted docker.
- Technologies: NodeJS, Express, Mongoose, MongoDB, Docker, Ubuntu (Linux).

[APP Link](#) [Github Link](#)

URL Shortener

- A URL shortener, shortens large URLs and provides small links.
- Users can shorten their long URL with this service. Deployed in self-hosted docker.
- Technologies: Python, Flask, Jinja2, Bootstrap, SQLite, Docker, Ubuntu(Linux)

[APP Link](#) [Github Link](#)

EDUCATION

B.Tech, Computer Science –	B.P. Poddar Institute of Management & Technology, Kolkata.	Aug 2017 – Jul 2021
Higher Secondary (10+2) –	Dhadka N.C.L Vidyamandir, Asansol.	May 2015 – Jun 2017
High School (10) –	Eastern Railway Higher Secondary School, Asansol.	Jan 2014 – Apr 2015

TECHNICAL SKILLS

Programming Languages –	JavaScript, Python
Web Development –	HTML, CSS, React, NodeJS, Express, Postman
Database –	MySQL, MongoDB, PostgreSQL
Cloud Technologies –	Docker, GCP, Azure, Grafana, VM, Linux
Subject Proficiency –	Data Structures & Algorithms, OOPS, DBMS, OS, Computer Networks

CERTIFICATIONS & ACCOMPLISHMENTS

- 5 Star coder in Python & Java on [Hackerrank](#)
- 3 Star coder on [Codechef](#). Highest rating: 1630
- Solved 500+ problems over [GeeksforGeeks](#), [CodeChef](#) and [LeetCode](#)
- Programming Data Structures and Algorithms Using Python - [NPTEL](#)
- Enhanced Soft Skills & Personality Development - [NPTEL](#)
- Azure Fundamentals (AZ-900) - [Microsoft](#)
- HTML, CSS, and Javascript for Web Developers - [Coursera](#)
- Workshop on Data Structures and Algorithms - [GeeksforGeeks](#)
- Full Stack Web Development for Professionals using MERN Stack - [CodingNinjas](#)
- Azure Developer Associate (AZ-204) - [Microsoft](#)
- Azure DevOps Engineer Expert (AZ-400) - [Microsoft](#)

INTERESTS

- Learning & building applications using new technologies
- Problem solving using programs
- DevOps