

# AYAN CHAKRABORTY

**Full Stack Developer | Angular, Node.js, React | AWS Certified Developer Associate**

[ayanchakraborty194@gmail.com](mailto:ayanchakraborty194@gmail.com) • +91 82509-71220 • [linkedin.com/in/ayan-chakraborty-2021/](https://linkedin.com/in/ayan-chakraborty-2021/)

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## PROFESSIONAL SUMMARY

Experienced Full-Stack Developer with 4 years of expertise in designing and implementing web applications using Angular, Node.js, React, and MySQL. Implemented and troubleshooted CI/CD using GitHub Actions, reducing deployment time and complexity by more than 50%. Successfully migrated a Polymer application to Angular, leading to a 30% increase in traffic. Migrated AWS Elastic Beanstalk container-based applications between AWS accounts, ensuring seamless operation.

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## SKILLS

- **Development Skills:** Angular, Karma, Jasmine, Node JS, Javascript, Typescript, React, MySQL, PostgreSQL, OOPS, DBMS.
  - **DevOps Skills:** AWS Elastic Beanstalk, EC2, ECS, ECR, S3, ALB, CI/CD using GitHub Actions, Security Groups, Cloudwatch, CloudTrail, NGINX.
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## WORK EXPERIENCE

**Consultant, Genpact India Pvt. Ltd.**

**DEC 2022 - Present**

- Designed a customized UI library and components aligned with the product's color theme, reducing code length, and complexity by 40% and enhancing code readability.
- Implemented color tokens to support both light and dark modes, allowing users to seamlessly switch between them which improved the overall user experience.
- Migrated a Polymer application to Angular, resulting in improved application loading time and faster UI response times by more than 50%.
- Implemented SSL end-to-end encryption for the General Electric project.
- Configured and optimized Application Load Balancers.
- Set up a reverse proxy via Nginx to enhance security and performance.
- Created comprehensive architecture diagrams for effective communication and documentation.
- Coordinated with various teams to expedite application delivery.
- Migrated AWS Elastic Beanstalk container-based applications between AWS accounts, ensuring seamless operation.
- Migrated AWS DynamoDB between AWS accounts.
- Migrated Amazon OpenSearch in AWS.
- Managed security group whitelisting in AWS for securing EC2 instances.
- Built and deployed Java and Gradle-based applications.
- Built and deployed Node.js and React-based applications.
- Implemented root CA certificates in the Java keystore within containers and EC2 servers.
- Implemented and troubleshooted CI/CD using GitHub Actions.
- Installation of softwares and configuring it.
- Performing server admin role.

**Application Developer, Unified Infotech Pvt. Ltd.**

**APR 2021 - DEC 2022**

- Upgraded a backend application from PHP to Node.js with Sequelize ORM and MySQL database, resulting in a performance improvement of over 40%.

- Migrated a frontend application to Angular 16, consolidating multiple standalone projects into a single application with a multi-role management system, improving project structure by approximately 75%.
- Developed REST APIs in Node.js and the Express framework for features such as instant push notifications using Socket.io and sending business and promotional emails using Twilio SendGrid API, reducing response time by more than 40%.
- Actively involved in client communication, requirement gathering, and understanding, sending MOMs (Minutes of Meetings), creating project timelines, and implementing them.

## **Volunteer Software Developer (Volunteer), Satsang IT Wing**

**DEC 2020 - Present**

- Developed the official site using Angular, Node.js, and Postgres, which increased user experience by more than 80%.
- Prepared a regional language keyboard system using vanilla JavaScript to support users in various regional languages, enhancing their understanding and interaction by over 80%.
- Converted entire books in e-book mode, dynamically rendering HTML pages directly from the database within the interfaces. Added various features such as search, bookmarking, and continue reading, resulting in a 50% increase in reader engagement among modern audiences.
- Devised a user feed platform enabling regional users to post events, engage through reactions, and share content across platforms via web crawling, resulting in a 60% increase in user engagement.
- Currently spearheading the development of native applications in React Native and Node.js, integrating a multi-role and permission-based user management system that anticipates a 70% increase in user engagement through a seamless native experience.

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## **CERTIFICATIONS**

- **AWS Certified Developer - Associate, earned January 31, 2025.**
- **AWS Certified Cloud - Practitioner, earned December 28, 2024.**
- **Machine Learning Using Python**
- **Data Science Using Python**
- **Competitive Coding**

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## **EDUCATION**

### **Bachelor of Technology in Electrical Engineering**

**APR 2017 - MAR 2021**

Maulana Abul Kalam Azad University of Technology

- Winner of a State Level Hackathon Program & Got a 70% scholarship in overall tuition fees.
- Thesis on "Inverted Pendulum Control System".

### **Higher Secondary in Physics, Chemistry, Math**

**MAR 2015 - MAR 2017**

West Bengal Council of Higher Secondary Education

- Involved in various tech clubs and fest in school
- Achieved a distinction in Mathematics

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## **ADDITIONAL INFORMATION**

- **Soft Skills:** Effective Communication, Troubleshooting, Adaptability, Teamwork, Attention to Detail
- **Languages:** English, Hindi, Bengali