

# Abhishek Mandalageri

 LinkedIn |  abhishekm10476@gmail.com |  +91-9480985396 |  LeetCode

## PROFILE SUMMARY

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Backend Developer with 2 years of experience in designing and building scalable, cloud-native applications using Node.js, Python, and Golang. Skilled in developing RESTful APIs, microservices, and event-driven systems using Kafka and cloud-based messaging. Proficient in working with relational and NoSQL databases, containerization with Docker, and CI/CD deployment on cloud platforms like AWS. Strong collaborator in Agile teams and continuously expanding expertise in Golang, TypeScript, and React.js for full-stack development.

## EDUCATION

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| <ul style="list-style-type: none"><li>• <b>Dr. Ambedkar Institute of Technology</b><br/><i>Bachelor's of Engineering in Electronics and Communication, GPA: 9.1</i></li></ul> | Bangalore, Karnataka<br>Aug 2019 - July 2023 |
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## WORK EXPERIENCE

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| <b>Backend Developer - 1 year and 10 months</b><br><i>Torry Harris Integration Solutions, Bangalore, Karnataka</i> | Aug 2023 - Present |
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- Developed and maintained 15+ backend APIs for managing core data entities, improving data access efficiency by 30% and reducing system response time by 25%.
- Engineered real-time event pipelines using Kafka and cloud messaging services, enabling seamless data sync across systems with 99.9% delivery reliability.
- Designed and deployed 10+ microservices integrated with third-party APIs, supporting over 1 million records and enhancing data interoperability across platforms.
- Automated ingestion and transformation of 500K+ records from external APIs using Python and PySpark, cutting manual effort by 40% and reducing latency by 35%.
- Improved CI/CD workflows and implemented structured logging, resulting in a 50% reduction in deployment time and faster issue resolution during production releases.
- Collaborated with 5+ cross-functional teams to build cloud-native applications, containerized 10+ services with Docker, and optimized SQL queries for 2x faster analytics.

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| <b>Web Development Intern</b><br><i>Softmantissa Software Solutions LLP, Bangalore, Karnataka</i> | Nov 2022 - Jan 2023 |
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- Redesigned 5+ existing websites and applications using custom HTML, PHP, CSS, and JavaScript, enhancing load times by 25% and improving user satisfaction based on feedback.
- Diagnosed and troubleshooted issues in web applications, identifying three critical bottlenecks that improved system performance by reducing response time to less than two seconds per operation on average.
- Conducted extensive testing on 3 new web application features, identified 10+ bugs, and proposed optimization strategies that reduced error rates by 15% in deployment stages.
- Delivered 5 prototypes for innovative web-based features within tight deadlines, with 3 prototypes selected for deployment, leading to a 10% increase in user engagement and a faster go-to-market timeline.
- Provided technical support for 2+ internal teams which reduced issue backlog by 40% and improved internal system reliability by 20%.

## PERSONAL PROJECTS

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### NeoQuery - An HR Management RAG Chatbot

[Gemini, LangChain, ChromaDB, ReactJS]

- Designed a full-stack chatbot using Gemini 1.5 Pro with LangChain and ChromaDB to provide real-time HR query resolution.
- Built FastAPI-based modular backend with vector search and RAG pipelines to ensure accurate, context-aware responses.
- Developed a responsive ReactJS frontend and applied clean architecture principles to enable scalable deployment.

### E-commerce App – Microservices Architecture

[Node.js, React, MongoDB, AWS]

- Developed an e-commerce platform using Node.js and React, structured into microservices for modular scalability.
- Integrated Kafka for asynchronous communication and implemented CI/CD for automated cloud deployments on AWS.
- Reduced API latency and enhanced frontend responsiveness by optimizing RESTful endpoints and MongoDB queries.

## AWARDS & RECOGNITION

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**Team Excellence Award** - Awarded for taking end-to-end ownership of production support and delivery for business-critical APIs and real-time data streaming systems. Played a key role in ensuring smooth operations, proactive issue resolution, and timely communication across teams, which contributed significantly to the success of multiple high-priority releases in a fast-paced production environment.

## CERTIFICATIONS

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- AWS Certified Cloud Practitioner (Hands-on experience with AWS Lambda, API Gateway, DynamoDB, S3, EC2, SNS and SQS in microservices architecture).
- Reltio MDM Technical Consultant

## SKILLS

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- **Programming Languages:** JavaScript (ES6+), TypeScript, Java, Python.
- **Frameworks:** Express.js, React.js, Next.js, Java Collections Framework.
- **Web Technologies:** HTML5, CSS3, Tailwind CSS, AJAX.
- **Databases:** PostgreSQL/MySQL, MongoDB, Redis.
- **Cloud and DevOps:** AWS, Docker, Kubernetes, GitLab CI/CD, Jenkins.
- **Tools and Practices:** MS Office (Proficient in Excel), Microservices, Kafka, OAuth2, JWT, RESTful APIs, Agile, Git, Linux.
- **Testing:** JUnit, Jest, Supertest, Postman, TDD practices.
- **Problem Solving skills:** Data Structures and Algorithms: Java (LeetCode – Active profile), System design (LLD patterns, proficient in HLD concepts).