

# Devki Nandan Malav

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## EDUCATION

### Indian Institute of Technology Bombay

Bachelor of Technology in Computer Science and Engineering

Mumbai, Maharashtra, India

Jul 2017 - May 2021

## WORK EXPERIENCE

### Software Engineer 2

Fincent, Bangalore, India

Jul 2023 - Aug 2024

- Deployed backend API for Stripe webhook system for real-time events, automating actions using Node.js and implementing security protocols for SOC2 compliance.
- Integrated multiple financial APIs (Plaid, Stripe, QuickBooks) and implemented ACH & credit card functionalities
- Optimized Accounts Receivable/Payable reconciliation time by 40% in QuickBooks through automation
- Leveraged AWS services for secure, automated deployment and continuous monitoring.
- Incorporated unit testing with Jest, increasing code coverage, and improving code quality and maintainability.
- Conducted code review and root cause analysis, minimizing recurring issues.
- Implemented Sendgrid, replacing SES, to improve communication, increase productivity and tracking capabilities

### Software Development Engineer 1

Audify, Bangalore, India

Sept 2022 - April 2023

- Designed and deployed scalable multiplayer game architecture using Java, SpringBoot, NoSQL, AWS, and distributed system, improving player connectivity and reducing latency issues by 35%.
- Collaborated with cross-functional teams to develop product vision and requirements, reducing project delivery time through agile processes.
- Enhanced server performance by 40% by load testing and query profiling REST APIs with JMeter.
- Implemented caching with Redis, and AWS, reducing database load by 60% and improving app responsiveness
- Integrated Google Ad verification for rewards, increased Day-7 retention by 15%, and kickstart ad revenue

### Software Developer 1

ICICI Securities, Mumbai, India

May 2021 - Aug 2022

- Engineered WhatsApp notifications using RabbitMQ and RESTful APIs, enhancing customer communication.
- Analyzed customer data to identify cross-selling metrics, contributing to business growth initiatives.
- Automated complex trading strategies, reducing execution time by 50% and improving system efficiency.
- Developed REST APIs for an AWS-hosted mobile app using Golang, enabling a seamless mutual fund dashboard.
- Adapted across multiple fintech domains, demonstrating versatility in core operations, research, and development.

## INTERNSHIPS AND PROJECTS

- **Machine Learning Intern** — TCS, engineered retention model using NLP for telecom issues. Achieved 7% conversion in marketing via uplift modeling and reduced hiring costs with 94% accurate attrition prediction.
- **Java Intern** — Finshell, Developed Angular 7 front-end for database CRUD operations. Built an automated checker-maker for loan management using BPMN.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C++, Go, SQL, JavaScript, Bash Scripting

**Web Technologies:** Node.js, Express, Django, Spring, RESTful APIs, HTML, CSS

**Databases:** MongoDB, PostgreSQL, MySQL

**Cloud & DevOps:** AWS (EC2, S3, Lambda, CloudWatch), CI/CD pipelines, Git

**Others:** Microservices Architecture, Kafka, Redis, Design Patterns, Agile/Scrum, Jira, Test Driven Development

## EXTRACURRICULAR ACTIVITIES

- **Coordinator | Hospitality & Marketing** in IIT Bombay — managed 15+ coordinators, structured deals for Asia's largest tech fest (175K+ footfall), and Organized Cyclothon and Guinness World Record attempt.
- **Cultural Councillor** in IIT Hostel — organize annual festival (1800+ attendees). Received Cultural Color award.