

# BHAUMIK TANDAN

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## Technical Skills

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**Programming Languages:** JavaScript, TypeScript, Python

**Frontend Frameworks/Libraries:** React, React Native

**Backend Frameworks:** Nest.js, Node.js, Flask, Django

**Databases:** DocumentDB, MongoDB, PostgreSQL, MySQL

**Cloud Technologies:** AWS (ECS, EC2, S3, Lambda, CloudFront, CloudFormation, AWS Glue)

**React Libraries/Tools:** Zustand, Context API, React Query, Functional Components, Lifecycle Methods

**ORM (Object-Relational Mapping):** Prisma, Mongoose, TypeORM

## Experience

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### Jhana

November 2024 – Present

*Founding Engineer*

- Spearheaded a \$5M project for the Madras High Court, managing a team of 3 developers to integrate GPT APIs, OCR, and NER for innovative legal solutions.
- Redesigned the entire frontend during a product pivot, resolving 40+ production bugs and significantly improving system performance.
- Addressed heavy file upload bottlenecks by implementing parallel processing in Django, reducing server crashes by 50% and building a robust file processing pipeline with Celery, Redis, and NER.
- Developed a data post-processing pipeline that slashed new dataset integration time from 1 month to 1 week, accelerating deployment cycles.
- Instituted comprehensive code quality and engineering standards, fostering a culture of excellence and continuous improvement.

### Htcd

June 2024 – October 2024

*Principal Software Engineer*

- Led the development and implementation of a comprehensive internal analytics pipeline, converting business requirements into features. Built an internal library to capture analytics from any part of the codebase, ensuring seamless integration and scalability.
- Build the versioning system for all dashboards on the platform.
- Spearheaded the complete redevelopment of the platform's UI

### Amigo

October 2023 – June 2024

*Founder*

- Led the creation and implementation of advanced expense-sharing and chat features, seamlessly integrating UPI functionality; utilized cutting-edge technologies like React Native and NestJS, propelling Amigo to the forefront of the expense management landscape.
- Developed the entire app in 2 months for beta testing.
- Achieved significant traction with over 1000 downloads for the [QR App](#) on the Apple Store, demonstrating the power of innovative solutions in meeting user needs.
- Demonstrated proficiency in monetization strategies and maximizing app profitability by effectively leveraging Google AdMob for revenue generation. Achieved an impressive ECPM of approximately \$65 for banner ads with 1000 impressions, showcasing adeptness in driving substantial returns on advertising investments.

### Appleute

September 2021 – September 2023

*SDE-2*

- Reduced the aws by \$2000/month by a single refactor in the nodejs code
- Quantitatively, the addition of 6 interns significantly impacted our operations, spanning across 4 projects. Notably, 2 of these interns assumed leadership roles upon transitioning to full-time positions.
- Pioneered Bücherbüchse Project: Orchestrated the triumphant launch and management of the [Bücherbüchse](#) project, captivating over 5k users and leaving an indelible mark on the industry landscape.
- Enabled Scalability Breakthrough: Optimized Lambda functions to effortlessly serve over 50k users simultaneously, setting a new standard for scalability.

- Unlocked Performance Potential: Accelerated API calls and eliminated bottlenecks in document databases to accommodate a staggering 12k calls to comments Lambda.
- Enhanced User Experience: Orchestrated the seamless migration of 50k users from WordPress to Keycloak, cementing the organization's commitment to user satisfaction and technological advancement.

#### *SDE-1*

*March 2022 – December 2022*

- Made impactful contributions to projects for prestigious clients like Puma, impacting over 20k users on the app.
- Completed the Doctelio healthcare app project within 2 months. Led the team in integrating video conferencing for seamless communication. Incorporated online appointment scheduling, store integration, and middleware for data exchange. Developed both desktop and mobile apps for easy access to healthcare services.
- Leveraged advanced React Native expertise to orchestrate the seamless migration of the [Puma Catchup app](#).
- Engineered a robust core content parser, facilitating seamless data transfer from Puma's WordPress site.
- Added hibernation for staging platform which saved thousands of dollars in aws bill

#### *SDE Intern*

*September21 – February 2022*

- Mastered React Native and app development processes, showcasing a commitment to continuous learning and professional growth.
- Played a pivotal role in the development of the transformative [Betra](#) app, making significant contributions that positively impacted user experience and functionality.

### **Snappi**

**January 2021 – September21**

#### *MERN Stack Developer*

- Attained invaluable practical experience in executing MERN stack projects and proficiently deploying them on cloud platforms.
- Held accountable for the end-to-end website development process, showcasing expertise in debugging and ensuring seamless functionality.

## **Education**

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**Vellore Institue of Technology**

**Bachelor of Technology**

*Information Technology*

**Cloud DevOps Engineer (AWS)**

**Practical AWS expertise gained hands-on**

*Udacity*