ACHINTYA CHATTERJEE

Kolkata, West Bengal, India

📞 +91 7872386160   ✉ achintyachatterjee.jara@gmail.com   in achintya-chatterjee   ⌂ Achintya-Chatterjee

Experience

Fiosk Digital Labs Pvt. Ltd. — September 2019 – August 2022
Founding Engineer — *Bangalore, Karnataka*

- **Tech Stack:** Python, Node.js, Express.js, AWS, Docker, PostgreSQL
- Developed a service to automatically perform a set of unit tests daily on a product in development, reducing bug identification time by 35% and improving issue resolution efficiency by 25%.
- Incorporated scripts using Python and PowerShell to aggregate XML test results into an organised format and to load the latest build code onto the hardware, so that daily testing can be performed.
- Assisted the team in the deployment of web applications on cloud services such as AWS and Azure.
- Explored ways to visualise and send a daily report of test results to team members using HTML, JavaScript, and CSS
- Grew team from 4 to 12+ people, closed a massive deal with a major Indian media company, developed and designed user-friendly information systems to meet clients' needs, analysed the market and determined the feasibility of the business and products, assisted the Sales team with qualifying prospects and providing product knowledge.
- Key member of a dynamic development team, contributing to the creation of sophisticated diagnostic applications spanning 20+ states. Ensured consistent updates for web pages, preventing data duplication for a seamless user experience.

Invisible Studios Pvt. Ltd. — March 2024 – August 2025
Senior Full-stack Developer — *Mumbai, Remote*

- **Tech Stack:** React.js, Next.js, Node.js, Express.js, Nest.js, PostgreSQL, Prisma, AWS
- Assisted in developing the front end of a web application using ReactJS and the NextJS framework.
- Worked with Google Firebase to manage user-inputted data across multiple platforms, including web and mobile apps.
- Collaborated with team members using version control system Git to organise modifications and assign tasks.
- Added new features to a SaaS app with 5,000+ monthly active users to enable the uploading of audio and video content using ReactJS, NextJS and NestJS.
- Developed a comprehensive user profile update and onboarding flow, enhancing the user experience for new and existing users. Built reusable components for input fields, toggle buttons and selection dropdowns, enhancing consistency and reusability. Integrated form fields with React Hook Form and Zod for efficient validation and state management. Collaborated with product managers, designers and other developers to deliver the features on time. Enhanced profile picture upload functionality with image preview and validation, significantly improving the user completion rate by 70%, and received positive feedback from the users and stakeholders for the intuitive UI.
- Added a transaction notification service to the SaaS platform, enabling automated email notifications for users who made transactions, improving customer engagement and reducing manual efforts by 100%.
- **Lead Full-Stack Development of a Privacy-Focused Analytics Platform:** Spearheaded the end-to-end design, development, and deployment of a comprehensive analytics solution, enabling businesses to gain actionable insights while ensuring GDPR/CCPA compliance and user data privacy.
- **Backend:** Architected and implemented a scalable backend using Node.js, NestJS, TypeScript, Prisma ORM, and PostgreSQL, featuring robust API endpoints for event tracking, session management, user authentication, and data aggregation.
- **Frontend:** Developed an intuitive and responsive user dashboard using React, Next.js, TypeScript, and Tailwind CSS, providing real-time data visualisation, customizable reports, and project management capabilities.
- Designed and implemented a cookieless visitor identification system and an event ingestion pipeline capable of handling up to 1 million monthly events.
- Utilised Redis for real-time event counting, session caching, and rate limiting, significantly improving data processing speed and dashboard responsiveness.
- Implemented core analytics metrics including page views, unique visitors, session duration, bounce rates, and conversion tracking.
- Built functionality for generating custom reports (CSV, PDF) and a data export system, with features for scheduled report delivery.
- Implemented JWT-based authentication, role-based access control (RBAC), and secure API development practices (input validation, output encoding, helmet for security headers).
- Leveraged Nest.js's modular architecture to create well-defined services, controllers, and DTOs, ensuring maintainability and scalability of the backend codebase.
- Employed TypeScript across both frontend and backend for enhanced type safety and developer productivity.

- Implemented unit and integration tests using Jest/Testing Library to ensure code quality and reliability.

Real Dev Squad
Feb 2023 – Present

Open Source Contributor — *Remote*

- **Tech Stack:** React.js, Next.js, Ember.js, Node.js, Express.js, Python, MongoDB, Django, Firebase
- User status feature which manages the five states of a user, i.e. Active, Idle, OOO, Onboarding, Onboarding more than 31 days in the Discord Community.
- Worked on features/implementations like task requests, where users can request their favourite tasks.
- Designed and implemented RESTful APIs for a Todo application using Python, Django, and Django REST Framework.
- Implemented data models for tasks and labels using Pydantic, with MongoDB integration.
- Developed a service layer for business logic and a repository pattern for clean data access.
- Implemented transaction support with MongoDB replica sets for data integrity.
- Standardised API error responses and input validation.
- Designed and implemented a CI/CD pipeline using GitHub Actions for automated build, testing, and deployment.
- Wrote unit and integration tests for API endpoints and service logic.

Projects

Book Bot | *Python*
January 2019

- Book Bot marks my inaugural foray into Python programming. It represents a sophisticated application capable of comprehensively analysing entire books, generating intricate statistical reports that offer profound insights into the text's nuances and patterns.
- It will print out an interesting statistical report of an entire book.

Shopper Service | *React.js, TypeScript, shadcn, Radix UI*
May 2025

- Built a modern e-commerce application using React 18 with TypeScript.
- Implemented a robust UI using Tailwind CSS for styling.
- Utilised Shadcn UI components for a consistent and accessible design system
- Integrated Radix UI primitives for accessible and customizable components.
- Implemented TanStack Query (React Query) for efficient server state management.
- Used React Context for global state management.
- Implemented custom hooks for reusable logic.
- Integrated Supabase for backend services.

Task Management API | *Node.js, Express.js, PostgreSQL, Prisma*
April 2025

- Developed and deployed a production-ready Task Management API using Node.js, Express, and TypeScript, featuring JWT authentication, PostgreSQL with Prisma ORM, and comprehensive Swagger documentation.
- Architected a scalable backend service implementing clean architecture principles, service-oriented design, robust error handling, and middleware-based authentication for secure request processing.
- Enhanced application security and performance through JWT authentication, rate limiting, input validation, optimised database queries with connection pooling, and efficient data retrieval with pagination.
- Streamlined deployment process with automated database migrations, Docker containerization, environment-based configuration, and successful deployment on Render with SSL security.

Technical Skills

Languages: Python, HTML/CSS, JavaScript/TypeScript, SQL, Go
Developer Tools: VS Code, Git, GitHub, AWS, Figma, Linux, Ubuntu, Docker
Technologies/Frameworks: Node.js, Express.js, Nest.js, React.js, Next.js, Ember.js, Django, FastAPI
Databases: MongoDB, Firebase, PostgreSQL, MySQL, ArangoDB, Redis

Leadership / Extracurricular

Kritanj
Apr 2017 – Mar 2018

Joint Tech Secretary — *Narula Institute Of Technology*

- Spearheaded the successful organisation of Kritanj, the highly anticipated annual tech fest of Kolkata, as the Joint Tech Secretary of the college tech club.
- Leveraged innovative strategies to ensure a seamless and engaging experience for participants, sponsors, and attendees, contributing significantly to the tech community within the college and beyond.
- Demonstrated exceptional leadership skills in coordinating various technical events, workshops, and competitions, fostering a vibrant atmosphere for knowledge sharing and skill development among students.

Education

Narula Institute Of Technology
July 2015 – August 2019

Bachelor of Technology in Electrical Engineering — *Kolkata, West Bengal*