

# Aadyant Srivastava

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## Technical Skills

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**Languages:** TypeScript, Javascript, Python, C

**Frameworks:** Node.js, Nest.js, Express.js, React.js, Next.js, Django

**DevOps:** Docker, S3, EC2, AWS Lambda, SQS, SES, ECR, ECS, API-Gateway, IAM, Git/Github/GitLab

## Experience

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### Vyapar

Jan 2023 – Present

*Software Engineer (Data Team)*

*Bengaluru, India*

- Implemented architecture changes for code deployment of ML models, transitioning from EC2 servers to Lambda, even for models with dependencies exceeding the 250 MB limit, leading to significant cost savings.
- Led a team in implementing OCR feature for the end user, that automates data entry for user-uploaded invoices utilizing machine learning.
- Enhanced codebase efficiency by optimizing existing code through techniques such as threading and adherence to the DRY principle, resulting in reduced time complexity.
- Developed a CI/CD pipeline using GitLab and Docker for Next.js, reducing deployment time exponentially and ensuring consistent and reliable releases.
- Architected and developed a full-stack client-facing dashboard from scratch, serving a substantial user base of over 15,000 individuals.
- Designed and developed full-stack applications including in-house Dashboards and Utilities, leading to increased operational efficiency across various teams in Vyapar.
- Demonstrated versatility by contributing across multiple teams including Data (Python, Django), Frontend (React.js, Next.js), and Backend (Nest.js).

### Self-Employed

Aug 2021 – Dec 2022

*UI Designer and Web Developer*

*Remote, India*

- Designed and Developed 20+ projects, end to end, for clients all over the world.

## Projects

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**Twitter Clone** | Next.js, Node.js, Typescript, Prisma-ORM, PostgreSQL, Redis, Amazon Web Services

- Designed and deployed scalable RESTful APIs, implementing features like Rate-limiting, Request-Throttling, Caching, etc
- Implemented Monitoring and Logging, to continuously monitor API's performance and resource usage to identify bottlenecks and optimize accordingly.
- Created scalable and responsive frontend with Server Side Data Fetching and Rendering in Next.js
- Used S3 to upload media files using Pre-Signed URLs. Utilized various AWS services like, CloudFront, EC2 and AWS Load Balancer for deployment

**Netlify Clone** | System Design, Docker, AWS, Kafka, Clickhouse, Postgres

- Created a scalable tool that simplifies the deployment process for static websites and single-page applications.
- It takes git repository link, deploys the website and generates a custom URL to access that application.
- It uses features like Reverse-Proxy, Streaming, Kafka for Log collection and Clickhouse for analytics.

## Education

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**Visvesvaraya Technological University (VTU)**

Aug 2017 – Sep 2021

*Bachelor of Engineering, Computer Science*

*Bengaluru, India*

- **Relevant Coursework:** Data Structures and Algorithms (C/Python), Operating Systems, Computer Networks, DBMS, Cloud Computing, Machine Learning.