

# 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, resulting in significant cost savings of up to 90%.
- Led a team in implementing OCR feature for the end user, that automates data entry for user-uploaded invoices utilizing machine learning.
- Enhanced code-base efficiency by optimizing existing code through techniques such as threading and adherence to the DRY principle, resulting in reduced time complexity.
- Created 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.
- Deployed 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), Front-end (React.js, Next.js), and Back-end (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

- Created 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.
- Implemented a 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

- Designed 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.