

# Madhav Trivedi

## Software Engineer

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### SUMMARY

Software Engineer with **6 years** of experience in designing and building scalable backend systems and web applications. Skilled in **NodeJS, NestJS, Python, SQL, TypeScript, and JavaScript**, with expertise in **system design**, and **microservices architecture**. Experienced working in **Agile environments**. Ability to **lead**, and **collaborating with cross-functional teams** to deliver production-ready features. Experienced with **CI/CD pipelines**, and **monitoring**. Focus on building **good connections with clients and stakeholders**.

### TECHNICAL SKILLS

<b>Languages:</b>	JavaScript, TypeScript, Python
<b>Backend &amp; Frameworks:</b>	Node.js, NestJS, Flask, Django
<b>Databases &amp; ORM:</b>	PostgreSQL, MySQL, TypeORM
<b>Frontend Technologies:</b>	React, Angular, HTML, CSS
<b>Cloud &amp; DevOps:</b>	AWS (Batch, Airflow, EC2, S3), Docker, GitLab CI/CD, Terraform, Kafka
<b>APIs &amp; Integrations:</b>	RESTful APIs, JWT, Swagger/OpenAPI, Postman
<b>Testing &amp; Code Quality:</b>	Jest, ESLint, Prettier
<b>Other Tools:</b>	Git, NPM, JIRA
<b>Core CS &amp; Architecture:</b>	Data Structures & Algorithms, System Design, Object-Oriented Programming, Scalable Microservices, Debugging & Troubleshooting

### SECONDARY SKILLS

Leadership | Team Collaboration | Adaptability | Interpersonal Communication | Delegation | Detail-oriented

### WORK EXPERIENCE

#### Madison Logic India

(Sr. Backend Engineer)

Dec 2024 – Current

Pune, MH

- Released **15+ high revenue-impact applications**, introducing **Blue/Green deployments** and maintained **inter-team collaboration** with Infra, Dev, Salesforce, and QA teams to ensure smooth, stable rollout.
- Migrated a **monolith to microservices** by designing scalable architecture, DB schemas, and RESTful APIs for modular delivery.
- Built a custom lead delivery system in **collaboration with client teams**, driving a **35% increase in revenue** and significantly improving operational efficiency.
- Designed and developed an end-to-end **Lead Scoring System**, driving significant positive **revenue impact**.
- Automated SDK generation** with **Swagger Codegen** using **shell scripts** and **GitLab CI**, and managed internal NPM packages with **semantic/API versioning** in an **Nx monorepo**.
- Strategised smooth rollouts using **A/B testing** strategy to have minimum revenue impact.
- Contributed to develop **Outbox Pattern with Kafka** to achieve **data reliability** and **real-time event streaming** across distributed microservices.
- Ensured code quality and performance through **Husky pre-commit hooks**, **GitLab CI pipelines**, and **application monitoring with Datadog**.

#### Thinkbridge Software Pvt. Ltd.

(Software Engineer)

Nov 2020 – Sep 2024

Pune, MH

- Developed and managed **Fintech applications**, a **Career Service Portal**, and a **Product Subscription tool**.
- Gather and analyze requirements, Task delegation, approving consistent and responsive UI wireframes, Code reviews, managing CI/CD pipelines.
- Implemented **multilingual support** by **Internationalization/Localization (I18N/L10N)** and optimized performance by handling data efficiently and **implementing client-side caching**. Increasing client's revenue by **2x** and **expanding the application's global reach**.

- Designed a **high-performance system**, with an ability to **fuzzy search** for a dataset of **1M+ entries on Client side** and improved the page performance by around **50%**.

## Ubisoft India

Jan 2020 – Nov 2020

(Junior Web Developer)

Pune, MH

- Built an automated system at Ubisoft India to streamline repetitive manual tasks performed by the HR team. **Leveraged the cron jobs to execute scripts automatically based on specified conditions**, resulting in a robust solution. **Enhanced the work accuracy of the HR team by 10-15% and reduced manual workload by 80%**.
- Migrated a **Monolithic Architecture to Microservices**, increasing application performance by 30-40%.

## iTalent India Management Consultants Pvt. Ltd. (Web Developer Intern)

May 2019 – June 2019

## PROJECTS

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- Portfolio Site | Skills:** React, GitHub deployment, SSL Integration, DNS configuration, Hosting
- Tab's Archive | Skills:** Problem Solving, System Design, Design Patterns, JavaScript, Project Management, Chrome API
- Curve (Covid-19 Cases monitoring mobile app) | Skills:** Flutter, Dart, Firebase, Data Visualization
- Face Detection Attendance System | Skills:** Python, OpenCV, Microsoft Azure Cognitive Services, SQL

## CERTIFICATIONS

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- Data Structures and Algorithms** – GeeksForGeeks
- System Design from Low Level to High Level** - GeeksForGeeks
- J.P. Morgan's Software Engineering Virtual Experience** - Forage
- Data Analytics with Python** - FreeCodeCamp
- Scientific Computing with Python** - FreeCodeCamp
- JavaScript Algorithms and Data Structures** - FreeCodeCamp
- Back End Development and APIs** - FreeCodeCamp

## ACHIEVEMENTS

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- Graduated with an **8.15 GPA from MIT Pune**.
- Secured **3rd rank in the Smart India Hackathon 2019 at IIT Kanpur**. It provided an opportunity to work on a project that addressed a real-world problem while **collaborating with a team of 5 members**.
- Selected as a placement coordinator and worked closely with the MIT Pune placement team** to provide on-campus placement opportunities for students. We were successful in **bringing over 75 companies** on campus within 60 days and obtaining placements for **over 90% of the targeted students**.
- Organized a national-level hackathon (Technocon Lakshya 2019) at MIT Pune**, which provided a platform for students to showcase their technical skills and innovations. I contributed by **designing a few rounds of Hackathon, bringing the sponsors, and marketing the event** on social media to reach as many students as possible across the nation. As a result, **250-300 students attended the event from 4 states**.

## EDUCATION

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### MCA Computer Science - 8.15 CGPA

2017 – 2020

Maharashtra Institute of Technology (MIT), Pune, India

## ONLINE PRESENCE

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Portfolio: <https://www.madhavtrivedi.com>

Free Code Camp: <https://www.freecodecamp.org/madhavtrivedi77>

Hacker Rank: [https://www.hackerrank.com/madhavtrivedi\\_77](https://www.hackerrank.com/madhavtrivedi_77)

GitHub: <https://github.com/Madhav-77>

## INTERESTS

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Health & Fitness, Geopolitics, Investment & Trading, Astrophysics, Singing, Playing Guitar, Travelling, and Reading

## LANGUAGES

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English, Hindi, Gujarati, Marathi