

# SURYANSH SHRIVASTAVA

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## OBJECTIVE

Backend Developer with 1 year of experience building scalable microservices in Node.js, TypeScript, JavaScript, Express and Fastify. Proven impact in reducing API latency, improving system reliability, and writing high test-coverage code in fintech domain.

## EDUCATION

**B.Tech in Computer Science** Aug 2019 – Jul 2023  
Shri Ram Institute of Technology (SRIT), Jabalpur  
**Relevant Coursework:** Data Structures, Algorithms, DBMS, OOP

## TECH STACK

<b>Languages</b>	Java, TypeScript, JavaScript
<b>Frameworks</b>	Node.js, Express.js, Fastify, React.js
<b>Databases</b>	MySQL, PostgreSQL, MongoDB, Firebase
<b>Architecture</b>	Microservices, REST APIs, Distributed Systems, Asynchronous Workflows, Event-Driven Design
<b>Tools</b>	Git, GitHub, Docker, Jest, Postman, AWS S3
<b>Concepts</b>	TDD, OOP, SOLID Principles, System Design Basics, Caching, Load Balancing

## EXPERIENCE

**Software Development Engineer – I** Aug 2024 – Present  
Zype (Fintech Product Company)

### Admin Portal Service

- Developed scalable internal microservices using Express, Fastify, TypeScript, JavaScript and MySQL, reducing response time by 30%.
- Designed async/sync bulk workflows with secure file handling and error-tracked status logging, improving throughput by 40%.
- Eliminated redundant API calls and improved inter-service communication speed by 40%.
- Refactored legacy modules, reducing code complexity by 25% and increasing maintainability.
- Integrated read-replica databases and implemented retry logic to enhance system reliability.
- Achieved 85% test coverage using Jest (unit + integration), improving deployment stability.
- Integrated Tata Tele Smartflo dialer APIs for seamless CX automation.

### Sales Portal (CRM)

- Built and maintained Fastify microservices with TypeScript, PostgreSQL, MongoDB, and Elasticsearch.
- Developed APIs for large-scale reporting and search, improving access latency by 35%.
- Created bulk data operations and S3-based upload/download pipelines.
- Implemented caching abstraction using SOLID principles, reducing DB queries by 35%.
- Wrote Jest tests with 90%+ coverage, reducing production issues by 60%.

## PROJECTS

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### PassMate

[web-passmate.netlify.app](https://web-passmate.netlify.app)

- Developed a secure password manager using ReactJS, TypeScript, and Firebase with support for Google SSO and email-password login.
- Implemented protected access for viewing stored passwords, ensuring user-level security.
- Designed a responsive and minimal UI with no backend dependency for smooth password management.

## ACHIEVEMENTS

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### • Smart India Hackathon 2022 (Government of India)

Participated in the prestigious national-level Smart India Hackathon 2022, organized by the Government of India. Advanced to the Grand Finale, competing at a designated nodal centre among the top teams nationwide.

### • 5-Star SQL (HackerRank)

Earned a 5-star rating in SQL on HackerRank by mastering MySQL queries and solving diverse challenges.

### • 5-Star Java (HackerRank)

Achieved a 5-star rating in Java on HackerRank, demonstrating strong problem-solving skills in the Java programming language.

## CERTIFICATIONS

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- Introduction to Java — LearnQuest (Coursera)
- Introduction to MySQL — University of Michigan (Coursera)
- Programming Essentials in Python — OpenEDG Python Institute

## INTERESTS

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- Poetry: Enjoy writing and exploring creative expressions through poetry.
- Travelling: Passionate about exploring new places and cultures.
- Songs: Enjoy listening to and discovering a variety of music.
- Cooking: Love experimenting with recipes and cooking different cuisines.