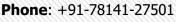
# SATYAM CHAWLA

Software Development Engineer

A highly motivated Full-stack Developer with competence in Microservices and Event-driven Architectures, aiming to contribute to innovative software solutions and scalable web applications within a dynamic tech environment.





**Email**: satyamchawla999@gmail.com



### **PROFILE SUMMARY**

- A focused Backend & Frontend Software Developer with nearly two years of hands-on experience in delivering full-stack solutions for the technology industry.
- Currently working as Software Development Engineer-1 and Co-Lead at Zenmonk Software & Services, directing the creation of high-performance applications while spearheading various project initiatives.
- Gained a deep understanding of multiple programming languages and frameworks such as Node.js, Nest.js, React and Next.js, alongside expertise in cloud technologies and container orchestration techniques.
- Realized a significant 30% improvement in system response times by developing and maintaining scalable applications, reflecting a strong dedication to optimizing performance.
- Skilled in managing complete SDLC including design, development, enhancements, customization, requirement gathering & analysis, testing, coding, customer support and training.
- Exhibited exceptional leadership and collaboration abilities by efficiently managing cross-functional teams and nurturing an environment that promotes innovation and excellence in software development.
- Maintained an in-depth comprehension of Event-Driven Architecture and Micro services, facilitating the creation of resilient systems adept at efficiently processing real-time data.

### CORE COMPETENCY

- Software Development Lifecycle
- Agile Methodologies
- Troubleshooting and Debugging
- Version Control
- Application Development Optimization

- Back-end Development
- User Experience Enhancement
- Micro services Architecture
- API Development
- Front-end Development

# TECHNICAL SKILLS

- Backend Development & Architecture: Node.js | NestJS | Microservices
- Frontend Development: HTML | CSS | JavaScript | Next.js | React
- Databases: PostgreSQL | MongoDB
- Messaging & EDA: RabbitMQ
- Cloud Platform: Google Cloud Platform (GCP), Amazon Web Services (AWS)
- Containerization & Orchestration: Docker | Kubernetes

# SOFT SKILLS

Adaptability

Team Player

Analytical

Multitasking

Attention to Detail



# **WORK EXPERIENCE**

SDE - 1 & Co-Lead

**Zenmonk Software & Services, Punjab** 

June 2023 - Present

#### **Highlights:**

- Spearheading the development and maintenance of comprehensive full-stack applications utilizing cutting-edge technologies such as Node.js, Nest.js, and React.js, ensuring optimal performance and user experience by 30%.
- Designing and implementing Microservices and Event-Driven Architectures (EDA) with RabbitMQ, significantly enhancing the system's ability to process messages in real-time and reducing latency by 40%.

- Crafting high-performance APIs by employing advanced design patterns such as CQRS, Repository Pattern, and Onion Architecture, which have led to improved database guery efficiency and maintainability by 25%.
- Overseeing the containerization and orchestration of applications using Docker and Kubernetes on Google Cloud Platform (GCP), which has resulted in a substantial reduction in deployment times by 15% and increased system uptime to 99.9%.
- Collaborating with cross-functional teams to define project requirements and deliverables, ensuring alignment with business objectives and technical specifications.



#### **Complaint Management System**

#### **Zenmonk Software & Services, Puniab**

Ongoing

A university complaint management platform where users can file complaints, attach evidence, and track progress, while managers review cases, chat with whistleblowers, and manage witnesses through unique access links.

- Engineering a microservices architecture with Domain-Driven Design (DDD) for scalability and maintainability.
- Designing with Vertical Slice Architecture + CORS to separate read/write concerns efficiently.
- Integrating the transactional outbox pattern and idempotent consumers to quarantee reliable and duplicate-free message processing.

Tech Stack: NestJS, Next.js, RabbitMQ, Docker, Kubernetes, PostgreSQL

**Order Flow Service** 

#### **Zenmonk Software & Services, Punjab**

**Ongoing** 

An event-driven order processing system using Saga Choreography to handle orders, billing, and shipping, ensuring consistency with resilient messaging and database locking. Built as a Modular Monolith for maintainability.

- Developing with Choreography-based event-driven architecture for seamless order processing.
- Ensuring fault-tolerant message consumption with resilient handling mechanisms.
- Using database locking to maintain data integrity during concurrent operations.

Tech Stack: NestJS, Next.is, RabbitMQ, Docker, Kubernetes, PostgreSQL

### CERTIFICATIONS

MERN stack from Coding Ninjas in 2023

Docker & Kubernetes from 100xDevs in 2024



# ACHIEVEMENT

Team Player of the Year - Awarded by Zenmonk Software & Services for outstanding collaboration and contributions to team success.



### **EDUCATION**

BCA from Chitkara University, Rajpura, Punjab, India in 2023

**CGPA: 9.10** 

Class XII from Govt. Co. Ed Sr. Sec. School, Rajpura, Punjab, India in 2020

Percentage: 87.33



### **PERSONAL DETAILS**

Date of Birth: 17<sup>th</sup> January 2002 Languages Known: English & Hindi

Address: House No. 3051, Near City Thana, Rajpura, 140410, Punjab