Jatin Sisodia

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Summary

Software Engineer with MS in Computer Science and production experience building REST APIs, full-stack platforms, and real-time systems using C#/ASP.NET, Python, Node.js, and React.

Professional Experience

Software Developer, WebCraft-IT Aug 2023 – Jun 2024

- Developed 10+ modules for a Commodity Trading Platform across the full SDLC using C#, ASP.NET, and PHP, supporting 5,000+ daily transactions.
- Designed the SQL Server database schema as the core architectural requirement of the system and built CSS/HTML-based report generation to surface transaction data across all modules.
- Created 15+ REST APIs in C#, PHP, and ASP.NET hosted on AWS EC2 to automate data integration across platform modules, eliminating manual entry errors and streamlining end-to-end data flow.

Web Developer, Travel Junction Indo Apr 2023 – Apr 2023

- Launched a WordPress website with custom theme development and payment gateway integration, digitizing the booking workflow and reducing manual coordination for the client.
- Implemented mobile responsiveness fixes and page load time improvements alongside on-page SEO optimization to improve search visibility and user experience.

Projects

Argus — AI Code Review Assistant | Live Demo

- Built an AI-powered code reviewer deployed across 3 surfaces — CLI tool, GitHub webhook, and GitHub Action — integrating OpenAI-compatible LLMs (e.g., Groq) to analyze PR diffs and post inline review comments automatically.
- Introduced auto-update logic that re-triggers LLM analysis on every re-push and sets GitHub commit status checks for merge gating, enforcing code quality without manual reviewer intervention.
- Shipped a FastAPI + React dashboard with PR analytics and re-review controls, one-command deployment across 3 platforms (Docker/Railway/Render), and published the package to PyPI.

Sentinel — Real-Time DDoS Attack Map | Live Demo

- Pioneered a real-time DDoS threat visualization platform using React 18, TypeScript, and D3.js with 3D/2D geospatial attack maps, rendering live attack events streamed from the backend.
- Engineered a Vercel serverless Node.js backend to aggregate and serve real-time threat feeds from 2 intelligence sources (AbuseIPDB and AlienVault OTX), enabling low-latency live event delivery to the frontend.
- Visualized attack events with D3.js and Recharts across time-series trends, geographic hotspot analysis, and threat scoring, plus IndexedDB for offline attack replay.

Scholarly Search Engine | Live Demo

- Established a scholarly article search app using Python, Flask, and Elasticsearch with a scalable indexing pipeline over 50,000+ articles, keyword-weighted ranking, and faceted filters.
- Unified user authentication, input validation, structured query logging, and integration test coverage to ensure accurate, secure, and repeatable production deployments.

Skills

Languages: C#, Java, Python, JavaScript, TypeScript, SQL, C/C++
Frontend: React.js, Angular, Vue.js, D3.js, Chart.js, Tailwind CSS, Framer Motion
Backend: ASP.NET, Node.js, Express.js, Flask, FastAPI, Spring Boot
Databases: SQL Server, MySQL, MongoDB, SQLite, Elasticsearch
Cloud & DevOps: Docker, Kubernetes, AWS EC2, Azure Functions, CI/CD, Git

Education

Worcester Polytechnic Institute Worcester, MA
MS, Computer Science | GPA: 3.5/4.0 *Aug 2024 – May 2026*

Medicaps University Indore, India
B.Tech, Computer Science | GPA: 3.2/4.0 *Aug 2019 – May 2023*