

SHIVAM MANIHAR SAHU

Full Stack Developer

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SUMMARY

Software Engineer with 4 years of experience building **large-scale commerce platforms**, **AI-powered applications**, and **distributed systems** using **React.js**, **Go**, **GraphQL**, **AWS**, and **LLM technologies**. Experienced in frontend architecture, backend development, prompt engineering, system design, performance optimization, and delivering production systems at **million-user scale**. **Available for immediate joining**.

TECHNICAL EXPERTISE

Languages: JavaScript, Go, C++, PHP, SQL
Frontend: React.js, HTML5, CSS3, Responsive Design, Accessibility, Performance Optimization
Backend: Go, Node.js, GraphQL, REST APIs, AWS Lambda
Cloud & Infrastructure: AWS (S3, SQS, SNS, Lex), Docker
AI Engineering: Claude, Prompt Engineering, LLM Applications, AI Content Generation, Agentic Workflows
Software Engineering: System Design, Distributed Systems, Scalability, Reliability Engineering, Observability, OOP, Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

Software Engineer – II June 2023 – Present
Fanatics Frontend / Full Stack Engineer
Project: Why Fans Choose This (AI-Powered Product Highlights Generation) **Tech Stack:** React.js, Go, GraphQL, AWS SQS, Claude

- Architected and delivered an **AI-powered product highlights platform** that automatically generates purchase-driving content for Featured Product Pages (FPPs), improving product discoverability across **Meta and Google Shopping** traffic.
- Integrated **Citadel** for vision-context extraction and **Rosetta** for LLM content generation, reducing prompt payload by **2,000 tokens per image** and significantly **lowering AI inference costs** while improving generation quality.
- Built configurable **prompt-management** and experimentation workflows enabling Product teams to modify AI behavior **without engineering deployments**, accelerating iteration cycles and feature rollout.
- Scaled generation across **10,000+ products**, contributing to a **30% increase in conversion rate** through AI-generated product highlights and improved content relevance.

Project: FanCash Tokenization & Redemption Experience **Tech Stack:** React.js, Go, JWT, GraphQL

- Designed and implemented secure **tokenized FanCash redemption** experiences used by **1.2M+ users**, enabling identity-aware promotional journeys across high-traffic campaigns.
- Built dynamic redemption states (Success, Claimed, Expired, Error) leveraging **Experience Service** and **Iris session data**, improving first-attempt task completion by **48%**.
- Optimized redemption workflows and user trust signals, driving a **70% increase in successful redemptions** while reducing customer drop-offs.
- Delivered highly reliable low-latency customer experiences supporting **million-scale traffic** during major promotional events and campaigns.

Software Engineer – I June 2022 – June 2023
Fanatics Frontend Engineer

- Developed **AI-powered chatbot** and voice-assistant workflows using **Amazon Lex** and **AWS Lambda**, reducing agent contact volume by **80%**.
- Built responsive and accessible UI components aligned with **WCAG standards**, improving usability across **50K+ monthly users**.
- Optimized application performance through **lazy loading** and component-level enhancements, reducing page load times by **30%**.

PROFESSIONAL HIGHLIGHTS

- Solved **900+** Data Structures and Algorithms problems across **LeetCode** and **GeeksforGeeks**.
- Secured **2nd Position** in a **National-Level Hackathon** conducted by MNIT.
- Completed **Frontend System Design Certification** from **NamasteDev**.

EDUCATION

B.Tech in Computer Science & Engineering 2018 – 2022
National Institute of Technology, Raipur CPI: 9.39