

SUMEDH PIMPLIKAR

SOFTWARE ENGINEER | SOFTWARE DEVELOPMENT ENGINEER

CONTACT

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Atlanta, Georgia, United States of America | **US Citizen, Open to Relocation**

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SUMMARY

Software Engineer targeting SDE / AI Systems Engineer roles, with full-stack production experience across React, Node.js, Python, and C++. Led a 4-engineer team shipping an exam platform to 50,000+ students, built and deployed 3 independent full-stack projects (including a custom-language online IDE), and achieved LeetCode Knight rating (900+ solved).

EDUCATION

Georgia Institute of Technology

Expected May 2029

Master of Science, Computer Science — Specialization in Artificial Intelligence

Pimpri Chinchwad College of Engineering

Nov 2022 – May 2026

Bachelor of Technology, Computer Engineering — First Class with Distinction

SKILLS

Languages: C++, Python, Java, JavaScript, PHP, SQL

Frameworks & Libraries: React, Angular, Node.js, Express, TensorFlow, Scikit-learn, LangChain, Hugging Face, Laravel

Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), System Design, Distributed Systems, RESTful APIs, Microservices, Database Design, CI/CD, Unit Testing, Agile/Scrum

AI/ML: Machine Learning, Natural Language Processing (NLP), LLM Integration

Tools & Platforms: Git, Docker, AWS, Supabase, Vercel, Render, Jira, Figma

CERTIFICATIONS

AWS Certified Developer Associate (DVA-C02) — AWS, 2025

System Design Masterclass — 2026

IBM Full Stack Software Developer — IBM, 2025

Microsoft Career Essentials in Software Development — Microsoft, 2025

Atlassian Agile Project Management — Atlassian, 2025

WORK EXPERIENCE

Skillyug Education Trust — Lead Software Developer (Remote)

Nov 2025 – Jun 2026

Pune, Maharashtra, India

- Led a team of 4 engineers to build PrepMark, an exam platform serving 50,000+ underprivileged students, as a sponsored final-year capstone project.
- Implemented OCR-based text extraction and load-balanced infrastructure to support high-volume document processing and payment integration.
- Developed student-progress analytics and reporting dashboards, giving guardians of 50,000+ students visibility into learning outcomes.

Fair Share IT Services Pvt Ltd — Software Development Intern (Remote)

Aug 2025 – Nov 2025

Pune, Maharashtra, India

- Engineered a document-handling tool that cut processing time by ~30%, improving workflow efficiency.
- Applied SEO and performance-optimization practices, improving page-load speed and system responsiveness.
- Developed new features in React while collaborating across Firebase, PHP, and Laravel integrations.

PROJECTS

CodeBlock — Multi-language Online IDE — React, TypeScript, Supabase, PostgreSQL, Judge0, Vercel

Architected a 5-language online IDE (Python, C++, Java, JavaScript, and SumoLang — a custom language with its own parser and interpreter), including an AI error explainer, static complexity profiler, shareable snippets, whiteboard visualizer, and 8 visual themes.

codeblock-sumo.vercel.app/

Cloud Cannon — Secure Cloud Storage App — React, Supabase, PostgreSQL, Pako, Vercel

Architected a secure cloud storage system with 2FA, metadata-driven search, and quota tracking. Built custom in-browser pipelines for real-time text editing, client-side image compression, and media playback, winning 1st place in a 25-team hackathon.

cloud-cannon-space-app.vercel.app/

ScholarSearch — Academic Search Engine — FastAPI, React, Python, SQLite, Chart.js

Engineered an asynchronous research engine actively deployed for CS faculty, aggregating OpenAlex and Semantic Scholar APIs. Implemented paginated keyword mapping, visual analytics, advanced filtering, and stateful bookmarking with export pipelines.

web-crawler-openalex-semantic-resea.vercel.app/