

Harit Bagaria

Software Engineer | Frontend, Mobile & Automation Architecture

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Systems-focused Software Engineer & CS (Data Science) undergrad specializing in Flutter, React, and Python. Architected and deployed 7+ production-ready platforms (mobile, 3D web, and autonomous RPA bots), scaling to 100+ users. Passionate about AI augmentation, performance optimization, and building resilient distributed systems.

TECHNICAL SKILLS

Languages: Python, Dart, JavaScript/TypeScript, C++, Java, SQL

Frameworks: Flutter, React, Node.js, Three.js, Tailwind CSS, Riverpod, OpenCV

Backend & Cloud: Firebase, Supabase, REST APIs, Vercel, Google Apps Script

Tools & Architecture: Git, System Design, RPA Automation, Object-Oriented Programming (OOP)

SOFTWARE DEVELOPMENT EXPERIENCE

Independent Developer

Aug 2023 – Present

Software Developer & Automation Engineer | Remote

- Architected a portfolio of 7+ production applications, managing the end-to-end lifecycle from UI/UX design to backend deployment.
- Built an autonomous RPA bot (MadMiner) using Python, OpenCV, and PyTesseract, executing advanced OCR over ADB connections to reduce manual gameplay by 4.5+ hours daily (91% success rate).
- Engineered a financial backtesting engine (Stockd) that securely navigates complex web protocols (CSRF) to scrape, process, and auto-trim real-time market data with exponential backoff.

SOFTWARE PROJECTS

Automated Algorithmic Backtester (Stockd)

June 2026 – Present

Google Apps Script • JavaScript • Automation | Google Sheets

- Designed complex algorithmic logic to dynamically track multi-day trading strategies (stop-losses, target percentages), managing massive datasets with auto-trimming and email reporting.

TheoryVerse & TheProGamerGuys

Dec 2025 – Present

Flutter • Firebase • Riverpod | Google Play Store

- Built scalable, offline-first gamified apps with secure auth and advanced state management.
- Optimized animations and performance, reaching 100+ downloads and 35+ MAUs.

The Mad Brogrammers & Chai Aur Chhat

April 2024 – 2025

React • Three.js • WebGL | Live Web Apps

- Built immersive 3D web experiences with Three.js/WebGL and custom terminal-style UIs.
- Engineered brutalist interfaces with lazy-loading and optimized WebGL rendering for fast cross-device performance.

ACHIEVEMENTS & CAPABILITIES

- Smart India Hackathon (SIH): Advanced to the National Round 2 out of thousands of competing teams.

EDUCATION

Swami Keshvanand Institute of Technology (SKIT)

Aug 2023 – 2027

B.Tech in Computer Science (Data Science) | CGPA: 7.85/10 | Jaipur, RJ

- Relevant Coursework: Data Structures & Algorithms, OOP, DBMS, Machine Learning.