

# YASH PATIL

Software Developer · Full-Stack & App Developer · AI Builder

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## SUMMARY

Software Developer at **Bana Metaliks L.L.P**, where I **solo-built the Foundry Production Management System (ERP)** now running in production. I work across the full stack and ship on every platform: web, Android, iOS, Windows desktop, Chrome extensions, Telegram & WhatsApp bots, plus AI agents, UI design, graphics and 3D modeling. Founder of **Exosynk** (startup) and maintainer of open-source **VPC, NOVA AI** and **NFCC**.

## WORK EXPERIENCE

### Software Developer

*Bana Metaliks L.L.P · Kolhapur, India*

Jan 2026 — Present · 4 mos

- **Solo-built Foundry Production Management System** — production ERP for Bana Metaliks, live at *banaerp.netlify.app*. Heat-centric, pattern-driven, grade-aware traceability from customer order to dispatch.
- Delivered **40+ functional modules** spanning Customer / Casting / Pattern / Grade masters, Production Planning (monthly & daily), Heat Entry with charge mix & chemistry, Quality & Inspection (chemical, mechanical, NDT), Dispatch, Sales, Purchase, Vendor management, Accounting (Chart of Accounts, AR, financial years), Approvals workflow, RBAC, Activity Audit Log, Notifications, Print Templates and Reports.
- Authored **63+ SQL migrations** evolving the PostgreSQL schema; designed normalized models and a full RESTful API layer in Node.js / Express.
- Integrated **AI insights** (OpenAI GPT-4o + Anthropic Claude) into the dashboards for production analytics, and built **Tally sync** for seamless accounting interoperability.
- Built the frontend in **React 18 + TailwindCSS + shadcn/ui** with Recharts visualizations, React Hook Form + Zod validation, and JWT/Supabase Auth.
- Owned the entire lifecycle: requirements gathering with stakeholders, architecture, schema design, implementation, deployment, monitoring and continuous iteration.

## EDUCATION

### Bachelor of Computer Science (BCS)

*The New College, Kolhapur — Shivaji University · CGPA 7.5*

2023 — 2026

### Higher Secondary (12<sup>th</sup>)

*Maharashtra State Board · 59%*

### Secondary School (10<sup>th</sup>)

*Maharashtra State Board · 73%*

## TECHNICAL SKILLS

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Languages	C, C++, C#, Python, JavaScript, TypeScript, Dart, Kotlin, PHP, Solidity, HTML5, CSS3, Shell
Frameworks	React, Next.js, Node.js, Express.js, Flutter, .NET, Frappe Framework, TailwindCSS, Bootstrap, Three.js
AI & Automation	Anthropic Claude API, ChromaDB, python-telegram-bot, OCR, Gemini API
Databases	PostgreSQL, MySQL, Supabase, Firebase, SQLite
DevOps & Cloud	Docker, AWS, Vercel, Netlify, Nginx, PM2, Linux, Git, GitHub
Embedded	ESP32 / ESP-IDF
Design	Figma, Adobe Illustrator, Photoshop, Canva, Blender (3D)
Platforms shipped	Web, Android, iOS, Windows desktop, Chrome extensions, Telegram bots, WhatsApp bots

## FEATURED PROJECTS

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### Exosynk STARTUP · CLOSED SOURCE

*exosynk.com*

My founded startup — a web platform. Solo-built, operated, and maintained.

### VPC — Virtual PC Control OPEN SOURCE

*github.com/PATILYASHH/VPC*

Browser-based desktop environment for VPS management. Windowed multitasking, AI agent (Jarvis) with 30+ tools, self-hosted code collaboration with PRs, PostgreSQL admin + auto-generated REST APIs, web hosting with SSL. *React 18, Node.js, Express, PostgreSQL, Nginx, PM2, JWT/TOTP, Anthropic/OpenAI/Ollama.*

### NOVA AI OPEN SOURCE

*github.com/PATILYASHH/NOVA-AI*

Autonomous AI office assistant powered by Claude. 110+ natural-language PC actions, 4-layer memory architecture (Register/RAM/ROM/Vector), self-evolving personality, 11-emotion mood model, Telegram + terminal interfaces, self-coding capability. *Python, Claude Code CLI, ChromaDB, SQLite.*

### NFCC — NFC Control OPEN SOURCE

*nfcc-patilyashh.netlify.app*

Cross-platform NFC automation app. Tap a tag to run routines, log habits and complete TODOs across phone and PC. 28 phone actions, 32 PC actions, conditional routines based on time/location/Wi-Fi/Bluetooth. Local-first, zero cloud, MIT licensed. *Flutter (Android/iOS), Python (Windows/macOS/Linux), Next.js (web).*

### Note Counter OPEN SOURCE

*notecounter.shop*

Fast offline-capable web tool for counting cash notes with real-time calculation. Built with TypeScript; ships as an installable PWA.

## ACHIEVEMENTS & OPEN SOURCE

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- **GSSoC Extended 2024** — Top contributor, ranked **138 / 4000** with score 1315. Earned Explorer & Adventurer badges.
- **Hacktoberfest 2024** — 12 PRs merged across open-source projects; Holopin badges earned.
- **GitHub Achievements** — Pull Shark (x3), Pair Extraordinaire (x2), Galaxy Brain, YOLO, Quickdraw.
- **Postman Challenge** — Completed 2024 challenge; multi-tier badges earned.
- **Hack Web3 Conf India 2024** — Challenge participant.
- Active maintainer of **200+ public GitHub repositories**; contributor to community projects.

## CODING PROFILES

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**GitHub:** [github.com/PATILYASHH](https://github.com/PATILYASHH)

**LeetCode:** [leetcode.com/PATILYASHH](https://leetcode.com/PATILYASHH)

**HackerRank:** [hackerrank.com/profile/patilyashh](https://hackerrank.com/profile/patilyashh)

**CodeChef:** [codechef.com/users/patilyashh](https://codechef.com/users/patilyashh)

**Replit:** [replit.com/@yash0305](https://replit.com/@yash0305)

## PERSONAL DETAILS

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**Date of Birth** 03 May 2005

**Languages** English, Hindi, Marathi

**Location** Kolhapur, Maharashtra — India

**Nationality** Indian