

# Karthickpranav S N

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## EXPERIENCE

### Software Developer

Oct 2025 – Present

*Cypher (Backed by YCombinator W22)*

Chennai, India

- Developing and maintaining a full-stack payment card platform using React, TypeScript, Node.js, and blockchain integrations

### Software Developer

Jan 2024 – Sept 2025

*Stealth DeFi Protocol*

Remote

- Developed Progressive Web Applications (PWAs) achieving native app performance parity using React, TypeScript, and modern web APIs
- Designed standardized tech stack with focus on UX and DX, adopted across all team projects and reducing onboarding time
- Implemented blockchain integrations using thirdweb, viem, wagmi, and subgraph technologies for Web3 functionality

### Frontend Software Developer Intern

May 2023 – Dec 2023

*Cypher (Backed by YCombinator W22)*

Chennai, India

- Developed and maintained React Native mobile applications serving 10,000+ active users, implementing new features and improving code maintainability
- Contributed to internal project using Next.js App Router, implementing server-side rendering and optimized routing
- Developed email templates for automated communication system using React Email and AWS SES

## PROJECTS

### PSGOOGLE | Go, Next.js, Redis, Docker |

2024

- Built high-performance search engine for PSGCT's academic website using Go
- Implemented web scraping with Colly framework, Okapi BM25 ranking algorithm, and PageRank for relevance scoring
- Developed responsive frontend with Next.js App Router and TypeScript
- Integrated Redis caching layer providing sub - 400 microseconds search response times

### Kaching | Next.js, WalletConnect, Polygon, PostgreSQL |

2023

- Developed cryptocurrency payment gateway MVP handling blockchain transactions on Polygon Mumbai/Amoy Testnet
- Implemented WalletConnect integration for secure Web3 wallet connections and transaction management
- Built full-stack application with Next.js App Router, vercelpg database, and Prisma ORM
- Designed RESTful API endpoints for payment processing and transaction status tracking

## SKILLS

**Programming Languages:** TypeScript, JavaScript, Go, Python, Java, Lua, Solidity

**Frontend Technologies:** React.js, React Native, Next.js, HTML5, CSS3, Tailwind CSS

**Backend Technologies:** Node.js, NestJS, RESTful APIs

**Databases:** PostgreSQL, MongoDB, Redis, Prisma ORM

**Blockchain & Web3:** thirdweb, viem, wagmi, WalletConnect, Ethereum, Polygon, Smart Contracts

**DevOps & Tools:** Git, GitHub, Docker, AWS, DigitalOcean, Nginx, CI/CD, Vercel, Linux

**Development Practices:** User-Driven Development, Code Review

## EDUCATION

### PSG College of Technology

Coimbatore, Tamil Nadu, India

*Master of Science in Software Systems*

Aug 2020 – May 2025

- CGPA: 8.98/10.0
- Relevant Coursework: Data Structures, Algorithms, Database Management, Software Engineering, Web Development