Karthickpranav S N

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EXPERIENCE

Software Developer   Jan 2024 – Present
P2P.me (Backed by CB Ventures, Multicoin Capital, Alliance DAO)   *Remote*

- Architecting and developing Progressive Web Applications (PWAs) to achieve native app performance parity using React, TypeScript, and modern web APIs
- Designed comprehensive tech stack migration strategy from native mobile apps to PWAs, reducing development overhead across iOS and Android platforms
- Implemented blockchain integrations using thirdweb, viem, wagmi, and subgraph technologies for Web3 functionality

Frontend Software Developer Intern   May 2023 – Dec 2023
Cypher Wallet (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
- Enhanced Cypher dApp frontend using React.js
- Contributed to internal project using Next.js App Router, implementing server-side rendering and optimized routing
- Built automated email communication system using React Email and AWS SES, reducing manual communication overhead

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