Paul Peter



Full-Stack Software Engineer

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React · Next.js · Node.js · TypeScript · Python · PostgreSQL · AI Integration

PROFESSIONAL SUMMARY

Full-stack software engineer and startup CTO who ships complete products, from architecture and database design to polished frontends and AI features. Built Chiko AI (an AI research assistant with source-linked citations) and Skooland (a multi-tenant school platform) end to end. With over 5 years building web systems, I have gained grounded skills in major Software technologies such as React, Next.js, TypeScript, Node.js and Python, with hands-on experience in LLM-powered Features, secure API design, multi-tenant systems, e-commerce, SEO and responsive UI.

TECHNICAL SKILLS

Languages & Frameworks	JavaScript, TypeScript, React 19, Next.js 15+, Node.js (Express, NestJS), Python (FastAPI)
Databases & Data	PostgreSQL, Supabase, MongoDB (Mongoose), Prisma ORM, Redis (caching)
Frontend & UI	Tailwind CSS v4, Shadcn/UI, GSAP, Framer Motion, Figma, Responsive Design, Accessibility (WCAG), Core Web Vitals
AI & LLM Engineering	LLM API Integration, Prompt Engineering, Retrieval-Augmented Generation (RAG), Structured Outputs & Tool Use, AI Agents & MCP, AI-Assisted Development
Cloud & DevOps	Docker, CI/CD (GitHub Actions), Vercel, AWS Fundamentals, Linux, Monitoring & Logging
Testing & Quality	Unit Testing (Jest/Vitest), End-to-End Testing (Playwright), Code Review, QA/QC Practices
Architecture & Security	System Architecture, REST API Design, Multi-Tenant Architecture, WebSockets & SSE, Authentication (JWT/OAuth), E2E Encryption, OWASP Basics, PWA, Chrome Extensions (Manifest V3)
Professional	Agile/Scrum, Project Management, Technical Documentation, Git & Team Workflow, Mentoring & Teaching

PROFESSIONAL EXPERIENCE

Full-Stack Developer & CTO

2026

Chiko AI · Startup

- Building a Chrome extension and web app that reads a webpage and returns key points, possible biases, open questions, and citations linking to the exact source sentence.
- Built the Manifest V3 extension with a side panel, on-demand page extraction, and click-to-highlight citations.
- Built a research workspace where users group saved pages into projects and ask questions across them.
- Moved bring-your-own API keys out of the browser; they are now stored encrypted on the server only.
- Set up the waitlist on its own subdomain and wrote the privacy policy and Chrome Web Store permission justifications.
- **Stack:** React, Next.js, FastAPI, PostgreSQL, Chrome Extensions.

Full-Stack Developer & CTO

2026

Skooland · Startup

- Building a school operating system where each school gets its own website and separate portals for students, staff, parents, and management.
- Designed multi-tenant storage with a separate PostgreSQL schema per school, so one school's data never mixes with another's.
- Built subdomain routing so each school and each portal has its own address (for example, management.school.skooland.com).
- Built the school admin console: portal access codes, a block-based website editor, termly billing, and add-on licensing.
- Wrote a sync API that lets schools running the Queez offline CBT exam server pull students and exam papers and push results back, secured with scoped, rotatable API keys.
- **Stack:** Next.js, NestJS, PostgreSQL, Prisma.

Programming Tutor 2025 – 2026

Great Everlee School

- Planned and taught project-based courses covering HTML5, CSS3, modern JavaScript, and basic data structures.
- Reviewed students' code with them, demonstrated practical debugging, and guided them to deploy their own web apps.

Freelance Web Developer 2025

Broome Services

- Built the company's marketing site in React with mobile-first design and optimized assets for a fast first load.
- Added JSON-LD structured data and semantic HTML so search engines index the pages properly.
- Connected inquiry forms to an automated email pipeline so every submission sends an email without manual work.

Freelance Web Developer 2025

Estoyonline

- Built frontend pages and reworked the checkout flow for an e-commerce site using React and TypeScript.
- Wrote a reusable component library for high-traffic landing and product catalog pages.
- Reorganized the checkout page layout, increasing completed checkouts by 5% in the first month.
- Tested across browsers so the site behaved consistently on current mobile and desktop browsers.

Freelance Web Developer 2024

Gerald Consultant

- Turned Figma designs into accessible React components that closely matched the specifications.
- Rewrote legacy CSS and grid layouts that broke on mobile, improving page load speed.

EDUCATION

Bachelor of Science in Computer Science 2021 – 2026

Global Wealth University, Lomé, Togo

Coursework in data structures, algorithms, and full-stack software development, with a focus on distributed systems, database management, and network architecture.

CERTIFICATIONS

- **Human Resource Management** – JPTS Institute of Science, Management and Technology (JPTS ISQ)
- **Project Management** – JPTS Institute of Science, Management and Technology (JPTS ISQ)
- **Quality Assurance and Quality Control (QA/QC)** – JPTS Institute of Science, Management and Technology (JPTS ISQ)