

KEVIN PUENTE CORTEZ

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EDUCATION

University of Maryland

Bachelor of Science in Computer Science

- Relevant Coursework: Computer & Network Security, Computer Systems, Algorithms

College Park, MD

August 2023 – May 2027

TECHNICAL SKILLS

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

Frameworks & Libraries: React, Node.js, Next.js, FastAPI, Fastify, TailwindCSS

Security & Networking: Wireshark, Metasploit, Splunk, Active Directory, MITRE ATT&CK, OWASP Top 10, CSRF/XSS, HIPAA/PHI

Cloud & Tools: AWS, Azure, Docker, Linux, PostgreSQL, Git

EXPERIENCE

Software Engineering Intern

Remote

Lawly *May 2026 – Present*

- Authored 340+ commits on a Next.js / React / TypeScript marketplace (Fastify, Drizzle ORM, PostgreSQL, Stripe), shipping 47 REST endpoints and 33 additive schema migrations across payments, messaging, and access control.
- Designed and shipped Stripe idempotency keying across four checkout flows, eliminating duplicate-charge risk on retry while still allowing legitimate repeat purchases.
- Built end-to-end account erasure across schema, service layer, REST endpoints, and admin UI, and hardened privileged flows with actor-level audit logging, attempt lockout, and replay-resistant MFA and email verification codes.
- Wrote 169 test files and 1,367 test cases, including integration suites running against a real PostgreSQL instance covering payment math, refund eligibility, and erasure cascades.

Tech Fellow

Remote

CodePath *February 2026 – Present*

- Facilitated weekly breakout sessions for cybersecurity and technical interview prep courses, guiding students through hands-on labs, algorithmic problem solving, and debugging.
- Supported student development across data structures, Big O analysis, Linux, networking, and threat detection using Socratic questioning and real-time feedback.

Developer

College Park, MD

Campus Coders Crew *February 2026 – Present*

- Built full-stack web apps for UMD student organizations using React, Node.js, and TailwindCSS, designing REST endpoints and coordinating deliverables with a cross-functional team on an Agile / Scrum cycle.

PROJECTS

CARLOS EMR (Open Source Security Contributions) | *Java, Spring, JSP, jQuery, Docker* | GitHub

- Patched a stored XSS vulnerability by adding context-sensitive OWASP output encoding across 5 unescaped JSP locations, closing off arbitrary script execution on the document-edit form.
- Stripped PHI-correlating request bodies out of ticklerREST logging, swapping verbatim JSON for safe operational metadata so patient data no longer persists in application logs.
- Submitted a fix for a CSRF bypass in the tickler note dialog by switching a jQuery AJAX mutation from GET to POST, restoring CSRFGuard token validation and keeping clinical notes and patient IDs out of URLs and Tomcat access logs; reproduced all three issues in Docker.

AI-Powered Cyber Threat Reporter | *Python, FastAPI, React, PostgreSQL, Gemini, Docker* | GitHub

- Built a full-stack threat-intelligence tool that takes text, URLs, and file uploads and returns AI-generated severity ratings with structured remediation steps, powered by Gemini.
- Secured the REST API with Supabase JWT auth, per-user rate limiting, and async PostgreSQL (asyncpg); wrote a batch log parser splitting files into parallel Gemini calls with rate-limit-aware throttling, deployed on Render via Docker with a React frontend on Vercel.

CERTIFICATIONS & TRAINING

Certifications: CompTIA Security+, CompTIA Network+, CompTIA A+

Training:

- CodePath AI 301 (AI-assisted development in large unfamiliar codebases, shipping open-source contributions)
- CodePath CYB 102 (Blue Team operations, network monitoring, and incident response with MITRE ATT&CK)
- CodePath TIP 102 (Algorithmic challenges, object-oriented design, and technical problem-solving)