

Vasu Patel

(331) 704-0883 | vpress000@outlook.com | Seattle, WA | [linkedin.com/in/vpress000](https://www.linkedin.com/in/vpress000) | github.com/vpress000

PROFESSIONAL SUMMARY

Experienced Software engineer with a Master's in Computer Science and 4+ years building and securing production systems, now transitioning into security operations. Recent work includes a FastAPI backend serving 30K+ users hardened with RBAC and encryption, and KYC automation that cut compliance processing by three days. Currently completing an intensive Per Scholas cybersecurity cohort with hands-on Splunk SIEM, incident response, and vulnerability management and Open to any SWE or Security roles.

CERTIFICATIONS

- CompTIA Security+ — Completed Per Scholas 2026
- CompTIA Splunk — In Progress, Per Scholas 2026

TECHNICAL SKILLS

Cybersecurity: SIEM (Splunk), Wireshark, Nmap, Cisco Firewalls, ACLs, Vulnerability Scanning, Incident Response, Network Security, RBAC, Secure API Design

Programming: Python, TypeScript, SQL, PowerShell

Backend: FastAPI, Flask, RESTful APIs, WebSockets, PostgreSQL, SQLAlchemy, Alembic

AI/ML: OpenAI API, LLM Fine-tuning, Prompt Engineering, ChromaDB, Gemini Embeddings

DevSecOps & Tools: Docker, Git/GitHub, CI/CD Pipelines, Vercel, Microservices, API Gateway, WebRTC

EXPERIENCE

Software Engineer | Bee Naturals Inc. | St. Louis, MO Feb 2025 – Present

- Engineered a FastAPI/Docker backend serving 30K+ monthly visitors, enforcing RBAC and data encryption to protect customer records across all endpoints
- Secured an AI chatbot with prompt-injection controls and input validation, blocking adversarial inputs and preventing customer-data leakage

Senior Associate – Software Engineer | Genpact Ltd. | Noida, NCR Apr 2021 – Mar 2023

- Automated client KYC identity validation in Python and PowerShell, cutting compliance processing time by 3 days under regulatory data standards
- Migrated Pentaho ETL pipelines via PowerShell scripting, cutting manual access to sensitive data and reducing deployment time by 75%
- Instrumented automated alerting across deployments and test cycles, raising change-event visibility and cutting unmonitored activity roughly 8x
- Triaged and escalated 10 to 25 cross-vendor incidents monthly, driving timely resolution of infrastructure vulnerabilities and service outages

Full-Stack Developer Resident | Newton School & Udacity | Bangalore, KA Jan 2020 – Dec 2020

- Developed 10+ RESTful APIs (Node/Express, Flask, FastAPI) with auth middleware, input validation, and RBAC to enforce least privilege
- Built React/Redux frontends with secure state and token handling, reduced client-side exposure of user data

Freelance Web Developer & IT Support | Self-Employed | Ahmedabad, GJ Apr 2019 – Dec 2019

- Hardened endpoints and servers for 3 business clients, configured access controls and patched to reduce common vulnerabilities
- Provided IT support and system troubleshooting for manufacturing operations, restoring uptime and securing local workstations

Software Trainee | Knowarth Technology (now Anblicks) | Ahmedabad, GJ Oct 2018 – Mar 2019

- Trained 5 engineers on secure development practices, including version control, CI/CD security, and Git/GitHub
- Authored onboarding materials on Agile and secure deployment pipelines, establishing a security-first development culture for new hires

PROJECTS

ClaimEase – Insurance Automation | Python, Docker, Microservices | [GitHub](#) | Jun 2025

- Architected a secure microservices platform (Docker, API gateway) with OCR and NLP document verification and access-controlled routing

AI Video Chat Application | Python, FastAPI, SQLAlchemy, WebRTC | [GitHub](#) | May 2025

- Engineered an encrypted peer-to-peer video platform (WebRTC, FastAPI) with secure session management and authenticated API endpoints

EDUCATION

Cybersecurity Program | Per Scholas | Seattle, WA Apr 2025 – Present

Master of Computer Science | GPA: 4.0 | University of Illinois Springfield | IL, USA Aug 2023 – Dec 2024

Bachelor of Information Technology | LDRP-ITR | Gandhinagar, GJ, India Aug 2014 – Jun 2018