

Sean Pe Houston, TX

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WORK EXPERIENCE

Baylor College of Medicine

Sep 2025– Present

Front Desk Specialist I

Houston, TX

- Executed clinical administrative tasks, including precise patient intake, appointment scheduling, and secure records management using Epic EHR
- Coordinated directly with physicians and medical staff to triage patient needs, streamline communication, and maintain optimal clinic efficiency.
- Volunteered on technical projects to improve clinical workflows, collaborating directly with physicians to identify and address pain points

ConnectSys

Dec 2023 - Mar 2025

Fullstack Software Engineer

Manila, Philippines

- Architected from scratch a FastAPI API server, complete with CI/CD, using Gitlab, PostgreSQL, AWS Lightsail and Docker for B2B clients
- Wrote cloud-based python microservices to automate data processing workflow and pipelines
- Followed best practices in an Agile software development environment, with a focus on development and DevOps

EDUCATION

De La Salle University

June 2024

BS in Computer Science | Manila, Philippines

- **Relevant Coursework:** UI/UX, Data Structures and Algorithms, Web Development, Machine Learning, Data Science, Distributed Computing, Operating Systems and Architecture

PROJECTS

LUNA Doctor Recommender System (Baccalaureate Thesis) - github.com/COMET-LUNA

- Developed a recommender system to generate a list of specialist doctors in the Philippines based on user symptoms and preferences; utilized UI/UX principles for interface design, 4.0 grade, Vue.js + express.js

IOL Calculator Automation - github.com/seanpe11/IOLCalculatorAutomation

- Built a Python automation tool for a clinical research team that eliminated manual data entry into an ophthalmology calculator; supported research the team has since published.

Kubernetes Homelab - github.com/seanpe11/seanpe-homelab

- Multi-node cluster running self-hosted services - personal website, PostgreSQL database, media server, and local LLMs - with secure remote access via Cloudflare Tunnels and Tailscale

SKILLS & CERTIFICATIONS

Certifications: Wood Badge (Scouts BSA, 2026), Claude Code Certified Developer (Anthropic, 2026)

Technical Skills: Linux Administration (Fedora, Ubuntu), Kubernetes (k3s), Docker, Cloudflare Tunnels & DNS, Tailscale VPN, SSH, tmux, systemd, Nginx, PostgreSQL (CNPG), Bash, PowerShell, Python, C++, Javascript/Typescript, Rust, Go, TCP/IP, DNS, Epic EHR