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Neil Pasricha
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Austin, TX

Software Engineer | Full-Stack Systems | GenAI | Cloud Infrastructure || Python | Java | TypeScript

PROFESSIONAL EXPERIENCE

Amazon Austin, TX
Software Development Engineer II - L5 February 2025 - Present

- Led a customer-impacting security platform team that improved **critical vulnerability remediation** speed by 91% at p90 (78 to 7 days) and reduced oldest outstanding issues by 98.5% (463 to 7 days) by building tighter execution mechanisms, clearer prioritization, and measurable operating rhythms in partnership with **Qualys** and multiple internal security organizations.
- Designed and launched security enforcement logic for a high-visibility **AGI** compliance initiative, enabling **full remediation SLA adherence** for customer-impacting findings while preserving compatibility with existing workflows and legacy findings using **TypeScript** and **Python**.
- Developed **LLM** workflows that turned complex security and operational data into actionable engineering context, accelerating investigation and reducing manual analysis for high-priority remediation and incident response with **Python, Java, DynamoDB**.
- Architected and implemented internal tooling for cross-team security workflows that added **rollout guardrails, improved visibility**, and backward-compatible behavior, letting us ship new enforcement logic without disrupting existing systems.
- Built customer-facing operational reporting in **AWS** and **QuickSuite** that gave partner teams clear visibility into remediation health, ownership, and risk posture, enabling faster decisions and stronger accountability at scale.

BarBoards Austin, TX
Lead Senior Software Engineer (contract) September 2024 - December 2024

- Led delivery of **full-stack AI applications** tied to core company initiatives, owning execution across architecture, implementation, and prod rollouts.
- Partnered with founders and business stakeholders to translate ambiguous product goals into technical execution plans, demos, and production-ready AI features.
- Built and maintained deployment and operations tooling across **AWS, Azure, Supabase, and Grafana with Python and TypeScript**, supporting hundreds of **live deployments** in parallel.

Autonomize.ai Austin, TX
Senior Software Engineer (contract) January 2024 - May 2024

- Led implementation and quality of **GenAI** products across a full-stack environment using **Python, TypeScript, Azure, Kubernetes, Docker, and CI/CD pipelines**.
- Built **OCR and Elasticsearch pipelines** that turned image-based content into searchable structured data for GPT-powered product experiences.
- Developed customer-facing **GenAI** applications that improved automation, information retrieval, and decision support.
- Partnered directly with customers to translate **business needs into architecture, technical design, and end-to-end product delivery**.

Varis Remote
Software Engineer II April 2022 - January 2024

- Built infrastructure and automation pipelines across **Jenkins, GitHub, Azure ML, and Codacy** to improve platform reliability and scale.
- Led several workflow-focused initiatives from build through production rollout, improving efficiency across internal engineering processes.
- Automated **ontology** generation for internal and external catalog creation using **Python, TypeScript, and Azure ML**, reducing manual engineering effort and improving catalog consistency.

CognitiveScale Austin, TX
Software Engineer July 2018 - February 2022

- Led design and development initiatives for Cortex Studio, the company's core platform.
- Used Python and Node.js to adapt ML models to customer requirements and production workflows.
- Crafted **low-code/no-code solutions for customers** to allow rapid prototyping of their use cases.
- Led CognitiveU - **customer onboarding and training**, working directly with **client ML teams on-site** to drive adoption and implementation.

FOUNDER EXPERIENCE

BioMap Studios Austin, TX
Founder/CTO January 2024 - February 2025

- Architected and led development of MindSync, a privacy-first biofeedback platform combining **EEG data pipelines, real-time signal processing, blockchain-based** reward mechanics, and consumer wellness/gaming experiences from concept through MVP.
- Drove **technical strategy** across **hardware, product, and platform integration**, including EEG headset connectivity, calm-state detection, real-time token minting workflows, security/compliance considerations, and **scalable full-stack system design to support early customer and investor demos**.

Savidj Austin, TX
Founder/Chief Software Architect January 2023 - March 2024

- Developed **analytics and code** to process eye and head tracking related to identifying concussions, clinical fatigue, and TBI.
- Led **design, scaling and implementation of infrastructure** for **VR and mobile** applications using **C#, Unity, and SwiftUI**.

Bubble Media Inc. Austin, TX
Founder/CTO June 2020 - January 2022

- Architected and built Bubble Media, a SwiftUI based local social platform for posting, voting, commenting, and discovering city-specific content.
- Built the **iOS app**, product **demos**, and supporting web experience using **SwiftUI, Firebase, Python, and Figma**.

EDUCATION

Pennsylvania State University Middletown, PA
B.S. in Computer Science 2014 - 2018

Award: First Place - Pennsylvania State Computer Science Capstone Competition