

Hoa Nguyen

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Experience

THE VANGUARD GROUP | APPLICATION ENGINEER II | JANUARY 2022 - PRESENT

- Championed AI developer tooling (GitHub/M365 Copilot, Claude Code, Vanguard Cowork) and ran rapid micro-experiments to accelerate code reviews and shorten the path from idea to production.
- Designed and tested Java, Python, and TypeScript APIs to migrate Literature Fulfillment off the legacy ELF platform, improving reliability and downstream integration.
- Pioneered GraphQL by implementing the department's first Ariadne (Python) service and modernized the ELF UI with TypeScript/Node/HTML/SCSS.

THE VANGUARD GROUP | APPLICATION ENGINEER I | JULY 2020 – JANUARY 2022

- Built low-code applications in Appian to support BPM initiatives, including modernization efforts to retire the AWD legacy system while improving workflow efficiency.
- Designed and developed intuitive UI interfaces for case processors using Appian's low-code toolkit, enhancing user experience and operational accuracy.
- Accelerated delivery by implementing Appian CI/CD deployment pipelines and developing RESTful APIs within the Appian environment to enable seamless system integration.

RANDSTAD HOLDING / VANGUARD | DEVELOPER | APRIL 2019 – SEPTEMBER 2019

- Designed and developed a cloud document storage solution using AWS S3 and a RESTful micro web service, while assisting the IBM FileNet P8 team with content search services.

INFORMATION SERVICES | CROWN HOLDING INC. | SEPTEMBER 2017 – APRIL 2018

- Assisted Network Engineers with server relocation, provided support for the IBM AS/400 mainframe, and developed/deployed Kiosk Virtual machines for manufacturing

SYSTEM SUPPORT ENGINEER | U-COMBINATION TECHNOLOGY | SEPTEMBER 2016 – APRIL 2017

- Managed IT support and network infrastructure (Firewalls, Switches, Wireless APs, MDM) for 13 academic institutions, and configured POS/network systems for a restaurant.

Education

B.S. IN COMPUTER ENGINEERING | JUNE 2020 | DREXEL UNIVERSITY, PHILADELPHIA, PENNSYLVANIA

M.S. IN COMPUTER ENGINEERING | JUNE 2020 | DREXEL UNIVERSITY, PHILADELPHIA, PENNSYLVANIA

Skills & Abilities

- AI Tools:
 - CLI Agents: Claude Code, Gemini CLI
 - IDE Assistant: GitHub Copilot
 - Tasks Agents: Vanguard Cowork, M365 CoPilot
- Projects:
 - AWD/ELF Retirements, Data Migrations
- Programming Tools
 - Frontend: Angular, TypeScript, JavaScript, HTML, CSS
 - Backend: Java, Python, REST API, GraphQL, SQL
 - Tools: AWS, Bamboo, GitHub, Appian