

DAI NGUYEN

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SUMMARY

Production-oriented Software Engineer with 5+ years of experience delivering scalable systems and full-stack applications across enterprise environments. Proficient in Java, Spring Boot, React, and cloud infrastructure (GCP). Adept at bridging technical execution with business priorities, improving team velocity, and enhancing software quality through CI/CD, Agile practices, and peer collaboration. Passionate about system design, clean architecture, and driving impactful solutions in fast-paced environments.

EDUCATION

September 2018 - June 2020

Seattle Central College

Network and System Administration Certificate

September 2015 - June 2018

Seattle University

B.S. Electrical and Computer Engineering

September 2012 - June 2015

Seattle Central College

Associate Degree, Electrical and Computer Engineering

COMPETENCIES

Software and Platforms:

Google Cloud Platform (GCP), Visual Studio, Eclipse, IntelliJ, GitHub/GitLab, Jenkins, Jira, Microsoft Office, NI Multisim, NI Ultiboard, NI LabView, CYME, AutoCAD, Microsoft, Mac OS, Linux

Languages, Libraries, and Frameworks:

C, C++, C#, Java, Python, TypeScript, JavaScript, NestJS, ReactJS, AngularJS Node.js, Express.js, RESTful API, Spring Boot, HTML, CSS, PHP, jQuery, MongoDB, MySQL, Postgres, Helm, Terraform, LaTeX, MATLAB, MIPS Assembly Language, VHDL

Internet Protocols:

TCP/IP, OSI, OSPF, BGP, DNS, P2P, DHCP

Additional Skills:

- Full-stack web & mobile apps design and developments
- Wireless & Network Security Integration
- PCB design, testing, and soldering
- FPGA programming and testing
- Researcher
- Fast learner and a problem solver

RELEVANT EXPERIENCE

November 2024 - Present

Software Engineer at NCR Voyix

Maintained existing functionalities and developed new features in line with the business service platform. Delivered APIs for restaurants to enable seamless site integration, ensuring customer data was handled with top-level security and efficiency.

- Developed scalable microservices using Java Spring Boot, integrating with REST APIs
- Built secure and modular backend systems with NestJS, leveraging TypeScript for type-safe development and improved maintainability
- Participated in Agile ceremonies and activities, ensuring sprint deliverables were met
- Implemented sprint feature stories and unit tests, achieving high-quality code and minimum feature test coverage
- Reviewed design and code with developers and architects, focusing on performance, scalability, testability, and supportability
- Utilized DevOps tools such as GitHub, Jenkins, and JIRA for continuous integration and delivery
- Collaborated with cross-functional teams to ensure timely delivery of projects

April 2022 - November 2024

Software Engineer at Macy's

Responsible for infrastructure migration, maintaining existing functionality, as well as implementing new features following Macy's new warehouse management system.

- Led the infrastructure migration initiative from on-premises systems to Google Cloud Platform (GCP)
- Built and maintained backend services with Java, Spring Boot, and MySQL
- Implemented responsive UIs with React and TypeScript
- Streamlined front-end/backend integration via RESTful APIs
- Integrated Agile practices and DevOps pipelines to shorten release cycles and boost team productivity

September 2019 - February 2021

Full-Stack Engineer at Sync-n-Scale

- Designed and implemented a web application to reverse more than 1000 geographic locations at the same time to Google Maps by using Latitude and Longitude from Degree, Minute, and Second (DMS) format
- Developed front-end and back-end components using PHP, JavaScript, jQuery, and MySQL
- Collaborated with cross-functional teams to ensure timely project delivery