Calvin Viet Hung Nguyen

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OBJECTIVE

Ambitions Software/DevOps/Systems Engineer with broad experience in the commercial and aerospace industry. Adept at working in fast-paced environments, ensuring code is developed to the highest standards. Skilled in a diverse span of programming languages and application frameworks like Angular and React, contributing to the development of valuable programs. I have extensive knowledge of the software development cycle, including methodologies such as Agile and waterfall. I am committed to producing a high standard of efficiency, accuracy, and adaptability. As a quick learner, I am able to master new software processes and system domains, swiftly absorbing and applying knowledge effectively. Known for strong collaboration and teamwork, I continuously strive to learn, improve, and tackle challenges with determination.

EDUCATION

METROPOLITAN STATE UNIVERSITY OF DENVER – Denver,   August 2018-December 2021
Bachelor of Science (B.S.) – Computer Science
Minor – Mathematics and Management
GPA: 3.7

CODING LANGUAGES/ TOOLS

Programming Languages(Python, Java, C#, etc)
Front End Development and frameworks(React Native, Angular, MVC Framework)
Database Management Systems(Windows, SQL, MongoDB, Oracle)
Development and Maintenance in Cloud Environments(AWS, Google Cloud, Firebase)
Agile and software tools (Jira, Confluence, Bitbucket, Git)
DevOps Practices and CI/CD Tools(Jenkins, Ansible, Kubernetes)
Shell scripting(bash, zsh)
Containerization(Docker)

SKILLS

Agile Development, Software Integration Engineering and test(SEIT), Automated test development, Test/Plans/Procedure document development, Functional test design, Regression testing practices, Linux Development, Testing and Development with Realtime Operating Systems, Object-Oriented Designs, Scripting, Client-server system, Full Stack Development (MEAN), Network/WEB/Client/Software/Server/Database troubleshooting, Software Built, Test, and Deployment Pipeline setup(Jenkins).

WORK EXPERIENCE

Front-End Engineer at Pacer   October 2024- Present
- Designed interactive demos and prototypes for future products and applications using Figma, ensuring alignment with user needs and product goals.
- Developed and deployed diverse web applications for Pacer using React, Typescript, and Firebase, including a fully centralized live auction browser enabling users to buy and view vehicles. Integrated features such as profit margin calculations, bid costs, and shipping expenses, leveraging web scraping to aggregate data from multiple marketplaces.
- Redesigned Pacer's home page and multiple core applications, including the transaction page, shipping tracker, description builder, verify ID tool, and live auction browser, prioritizing mobile responsiveness and aesthetic simplicity to enhance user experience. Enhancing user interfaces across applications to fit mobile platforms and improve usability, leading to a more cohesive and visually appealing ecosystem of tools and services.

Systems Engineer at Northrop Grumman   May 2023- May 2024
- Developed automated test scripts in Python for regression testing of software requirements intended for satellite deployment. This involved using a SEIT framework to send data via Kafka, update and check databases using SQL, processing algorithms in real-time, matching data with JSON formatting for desired results, and output results to an HTML file for knowledge share.
- Documented STC Documents outlining detailed test steps for software requirements, These documents were shared on Confluence to promote knowledge sharing and coordination among various teams.
- Collaborated with cross-functional teams to identify, document, and communicate bugs discovered during testing and debugging. Created detailed tickets in Jira, managed code from various repositories in Bitbucket, and coordinated via Microsoft Teams to devise effective bug resolution strategies
- Conducted live testing with O&I, actively troubleshooting and documenting observations on the performance and issues encountered on our scripts.

- Configured and set up Linux virtual machines for testing, incorporating bash scripting to automate and streamline the setup process.

Production Service Engineer at Zoom   July 2022- February 2023
- Monitored and managed service quality with knowledge of monitoring and management tools, service provider and voice technologies, IP telephone, and Conferencing solutions.
- Collaborated with multiple tiers of support, taking on escalations. Investigated complex issues using WEB/Client/Server/Database service, and debugged complex different OS environments and platforms, such as Windows Servers, Android, and Mac OS Servers.
- Collected information, design process, and troubleshooting documentation for the support knowledge base.
- Prioritized and addressed high-priority service challenges, providing updates and coordinating solutions with team members, engineering, and other departments to restore services to a high standard.
- Debugged diverse components of the Zoom client-server system, employing a wide range of tools and investigative approaches. This included utilizing and troubleshooting different layers of the OSI model, from TCP/IP packet tracking to network debugging to the Application and physical diagnostics to effectively troubleshoot the issues.
- Conducted live technical support and troubleshooting during real-time client calls, working closely with TSMs and TAMs to quickly resolve issues.
- Deployed and managed numerous containers using Docker and AWS cloud services, including S3, to maintain, optimize, and enhance specific aspects related to escalated issues.

Travelport DevOps Engineering Internship   May 2021- August 2021
- Implemented many solutions to optimize multiple TDM Microservices and APIs, using Javascript and C#.
- Integrated a tool using JavaScript and PowerBI to simplify and automate the process of displaying integral information to an interactive dashboard.
- Upheld best DevOps practices and pipeline setup, leveraging CI/CD tools like Jenkins and Ansible to streamline development, testing, and deployment processes, ensuring successful project outcomes.
- Proactively contributed to the development of a business case solution that automated registration and scheduling for the SAFe class offered by Travelport, improving registration by 15%
- Responsible for raising over $2,000 for the Dumb Friends League on Travelport's behalf.

JP-Morgan Chase Software Engineering Virtual Internship   June 2020 - July 2020
- Utilized Python, TypeScript, React, and various web application platforms to develop programs for JP Morgan Chase, focusing on data visualization and analysis of share price data.

Devil Dog Cybersecurity Internship   August 2020 - December 2020
- Performed vulnerability testing for various U.S. bases and institutions, utilizing tools such as Wireshark and NMAP, to create reports on those vulnerabilities.
- Proficient in Cybersecurity fundamentals, demonstrating comprehensive knowledge in threat detection, vulnerability assessment, and data capture and analysis.
- Automated and formatted hundreds of official documentation and forms using Elastic Search, Access, Word, and Adobe.

PROJECTS

Personal Portfolio:
- Designed and implemented a user-friendly personalized website to demonstrate a span of different projects I've created over my courses at university and work using React, Javascript, HTML, AWS, and Firebase.

MSU Konnect:
- Developed a full-stack website utilizing Mean Stack framework, DUDA RESTful API, and MongoDB database that allows students to fill out a form and populate a full-functioning website based on the 5 different website templates we developed.
- Used Angular, MongoDB, Express, Node JS, CSS, HTML, AWS, and Firebase.

ACHIEVEMENTS

Scaled Agile Framework(SAFe) Practitioner Certified, 2021.
AWS Cloud Practioner Certified, 2023.
Roadways Honor Roll – Metropolitan State University of Denver, 2019.
Board Member, American Society of Mechanical Engineers & Student Affairs' Student Advisory Board – MSU Denver, 2019-2020.