Minh Nguyen

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Summary

Software developer providing influent experiences with the latest front-end and back-end programming languages, tools, and methodologies including Javascript, Python, Java, HTML, CSS, SASS, jQuery, PostgreSQL, MongoDB, SQL, AngularJS, NodeJS, ReactJS, TypeScript, WordPress, Git, Github, and Agile/Scrum.
5+ years of experience in manufacture, lab, reliability test, familiar with Lab-view. Experienced hardware computer with strong skills in developing and implementing commercial networking environments.
Testing, troubleshooting, debugging with 12+ years of experience in the computing sectors, aerospace, and medical device.

Here is my recent accomplishment:

1. I built the GA Motivate app with the team in the GA hackathon which using NodeJS for the backend, ReactJS for the frontend.

https://ga-motivate.herokuapp.com/login

2. I built Terra app using NextJs.

https://terra-ten.vercel.app/

3. I built Covid-19 tracking using React Js, D3 library.

https://covid-tracker-iota-nine.vercel.app/

4. I built Stay Inside app using NodeJs for the backend, ReactJs for the frontend.

https://stay-inside-meet-up.netlify.app/login

5. I built myMelody app using Spotify API with ReactJs.

https://mindmelody.herokuapp.com/

Experience

GA Software Engineer

General Assembly

May 2020 - Present (9 months +)
Software development experiences with 500 hours training full-time and full-stack program conducted in a remote setting, providing experience with the latest front and back-end programming languages, tools, and methodologies including Javascript, Python, Java, HTML, CSS, SASS, jQuery, PostgreSQL, MongoDB, SQL, AngularJS, NodeJS, ReactJS, TypeScript, WordPress, Git, Github, and Agile/Scrum.

XR Lab/Test Engineer

Microsoft

Oct 2018 - Apr 2020 (1 year 7 months)

Worked in Reliability Lab of Surface Hub team which are including managing the lab; developing, excusing, and reporting test case; recording and analyzing failure :

• Verifying and performing predefined protocols, CAD drawings, electronic schematics, electrical diagrams, work instructions, or other specifications in accordance with established lab procedures.

• Set up, operate, and/or maintain test equipment and tools such as vibration, shock, drop, TH/TC chamber, thermocouples, acceleration, color measurement, digital imaging measurement, rotation, life test, tapping, compute/non compute functional.

• Testing material: PCB, hardware, touchscreen, accessories such as cable, stylus pen, bezel, mask, steel frame.

• Document and record test data in compliance with quality requirements and compare results against predetermined limits.

• Reporting analyzing failure, communicating problems/issues, and test non-conformance findings with Reliability Engineer, DEV Team.

• Managing test schedules to meet test completion delivery dates.

• Adhere to environmental and safety procedures associated with lab processes and procedures: managing work request, raw data (test report, test case status), inventory DUT (device under test), 5S, Safety lab.

REPAIR STATION MANAGER

AIRCRAFT CABIN SYSTEMS, LLC

Jan 2018 - Oct 2018 (10 months)

Repair Station Manager / FAA Accountable Manager role:

- Management: Administered profit and loss, analyzed, forecasting & managing the budget. Repair and Production quality standards and correct execution of daily operations by using ERP systems for processing and Quality streamline efficiency.

- Supervisor responsibility and tech doing work on repair unit, oversee the actual repair, verify and revise response by ATP (Acceptance Test Procedure), CMM (Circuit Manual Manufacture).

- Operating Repair Station by being overall responsible for build schedule/repairs of customer in-flight entertainment custom LCD monitors for over 100 different customers and 35 different aircraft types which are including Gulfstream, Rockwell Collins, Air Nippon Airline, Japan Airline, China Airline Services, etc.

- Qualification, Accountable of FAA /EASA certify release certificate which is including COC (Certificate of Conformance), ARC (Authorize Release Certificate) according FAA part 145, 8130-3.

Test Leader

Qualitel Corp.

Sep 2015 - Dec 2017 (2 years 4 months)

• Manage testing and troubleshooting for Innovative, Gogo, Astronic, Technofan, Korry, and Lucent (medical device): setup test station, debug, programming, ATP test (Specialized functional testing), Halt/Hass test (changing temperature, vibration, shock test), Hi-Pot test (High-voltage), ICT test(in-circuit test).

• Operating test case with DMM, hand tool, microscope, oscilloscope, solder, debug error by software, X-ray with CT (computer tomography).

Engineering Test Technician

Various Companies

Sep 2014 - Aug 2015 (1 year)

Aerospace: assembly, testing and troubleshooting device including CSNM, Light control, Wireless Access point, Sound system, Touchscreen, Bluetooth Sky Fair, Switch Panel.

Medical device: assembly, testing and troubleshooting device including Anesthesia systems, Blease700 Series, Blease900 Series.

Senior IT & Systems Engineer

MK Tech

Mar 2001 - Aug 2014 (13 years 6 months)

- Conduct research, designing and developing, testing and supervising the installation of computer hardware. Assigned personnel to projects and determined their management duties and responsibilities.
- Facilitate the communications link between organization and customers. Supervised the management of hardware inventory purchase and sales.
- Design a variety of computer programs for use in security, telecommunication and other low voltage systems such as audio/video and lighting. Setup network with TCP/IP, DHCP, VPN, LAN, WAN.
- Maintain a standard configuration of all equipment. Responsible for quality control as it relates to equipment inventory and skilled personnel, including technical support.
- Performed system administration including database recovery for customer accounts.

Education

Bellevue College

Associate of Arts and Sciences - AAS, Computer Science

2017 - 2019

Fundamental of computer science: algorithm, statistics, analysis, Java programming language.

Ho Chi Minh University of Technology

Bachelor's degree, Information Technology

1995 - 2000

Fundamental of computer engineer: computer hardware, computer structure, database, data structure, basic of programming language C, C#.

Licenses & Certifications

IPC-A-610 - Association Connecting Electronics Industries

Issued Mar 2017 - Expires Mar 2019

610MS 3857146334

Lean Six Sigma Yellow Belt - Everett Community College

Professional Advanced Management Program - EDS Business Solutions GmbH

Software Engineer Immersive Remote - General Assembly

Learn SQL Course - Codecademy

JavaScript Essentials - Udemy

HTM5 Programming - Udemy

Learning SQL Programming - LinkedIn
AX4LT1Y8dD_VnP9q-Jh6Mr6GXa0m

NASBA SQL Programming - LinkedIn
ARWYUrl2ao0BEj6SVr3kzSVwEWfP

Succeeding in Web Development: Full Stack and Front End - LinkedIn
AaD5odCYV9xmWmtU9HR1zt52nlca

Programming Foundations: Fundamentals - LinkedIn
Ac3qO6YDBRtc9kj8pEfZZKSUObSs

CSS Essential Training - LinkedIn
ATwN9WYYZDbCi2-qsLAFJXNl0mSt

HTML Essential Training - LinkedIn
AbkdQcVET8UszHOT7_J8xl3DITwr

JavaScript Essential Training - LinkedIn
AaDoTsw-XkmH1wcB5Ulous0mvojN

SQL: Data Reporting and Analysis - LinkedIn
AZQ_vGxHlew8bK79clkbYeH8EYcU

Learning Python - LinkedIn
AeINEuTkzsl4YsZVTQGNONh7pwVO

Learning Java - LinkedIn
AXa6n9OMvsi4QitkMs7Es92yaonn

Programming Foundations: Web Security - LinkedIn

AbqCH7CK7n6vwHjwbUV-Q1Mg8n3-

Programming Foundations: Databases - LinkedIn
AfeZhV7nv9adJkPmJlU6AbYqKyLi

Skills

Software Development • Computer Science • Computer Engineering • Project Management • Lean Manufacturing • Agile Methodologies • Web Development • Front-end Development • Analytical Skills • Algorithms