Andy Tran – Full Stack Developer

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Experience

FULL STACK DEVELOPER | GENE BY GENE | OCT.2019 - PRESENT

- Updated a "drag-and-drop" legacy app from PHP and Perl to C# and Angular
- Assisted in developing a replacement laboratory tracking system for DNA samples
  - Used ASP.NET Core as the back-end and React/Typescript for front-end
  - Old system needed constant attention from IT team due to newly-added processes and changing sample requirements
  - New system sought to resolve it by adding modularity and ability for users to create scripts on their own
  - Created an "Admin Suite" so authenticated administrative users could manage permissions, roles, and script features
  - Used prior QA knowledge and took initiative to create a test-driven development approach using xUnit
- Shifted a label printing app from sending messages directly to printers to using RabbitMQ
  - Missing labels and printing service hanging upon printer errors cost hours for shipping and lab staff
  - Used MassTransit framework with RabbitMQ to fire requests to printers at intervals due to hardware limitations
  - Added error messages to prompt users due to printers needing restarts saving developers time from distractions

QA ENGINEER | Gene by gene | JAN.2018 – OCT.2019

- Participated in AGILE backlog grooming, sprint planning, and retrospectives for manually testing features for customer-facing and business-facing sites
  - Customer features including the ability to create an interconnected family tree involving other users, see listed genetic traits that they've tested for, and managing privacy standards to comply with GDPR standards
  - Tested business site portal allowing hospitals to download patient sample results
- Developed automation for customer-facing website using Selenium to automate typical user navigation of site features
- Helmed project updating over 100 tests to update website testing application
  - Managed project goals and milestones with four teammates
  - Upwards of 52 daily test failures reduced by 75% and overnight eight-hour runtimes reduced by two hours

SURGICAL TECHNOLOGIST (68D) | US ARMY | 2007 - 2013

- Lead orthopedic surgical tech, assisted over 800 surgeries spanning multiple disciplines: general, ENT, OB/GYN, ophthalmic, neuro, and orthopedics
- Hospital TeamSTEPPS master trainer and CPR instructor at Bassett Army Community Hospital 2008-2011.

Education

BACHELOR'S OF SCIENCE IN BIOTECHNOLOGY | DEC. 2017 | UNIVERSITY OF HOUSTON

- Major: Biotechnology with Bioinformatics focus
- AEA Houston chapter president 2017

Skills & Abilities

DEVELOPMENT LANGUAGES

- C# (ASP.NET Core)
- Javascript (Angular 2+, React)
- SQL (PostgreSQL, MSSQL)

COMMUNICATION

- My roles as a trainer and leader have helped me communicate tasks effectively to make information clear and concise.
- Writing SOPs was an important task in my role as the lead orthopedic technician, it has helped in writing clear Confluence (Atlassian) documentation on code as well as our programs for developers and users.

LEADERSHIP

- Leadership training in the army and multiple opportunities have allowed me to hone my skills as a leader and an organizer. I understand the importance of delegation but see the value in helping a team achieve a greater mission.