Syrus Gaddy

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Skills

Languages: HTML, CSS, JavaScript, Sass, TypeScript, Java, Python, SQL, C++, JSON, YAML
Libraries/Frameworks: jQuery, Bootstrap, MeteorJS, ReactJS, Angular, React Native, Redux, Spring
Technologies: npm, Expo, Azure, Tomcat, Gradle, Maven, Flask, webpack, Active Directory, LDAP
Backend: NodeJS, MongoDB, MySQL, Oracle, Snowflake
Testing: BrowserStack, pytest, JUnit, Protractor, Jasmine, Mocha, Chai, Cypress
UI/UX Design: Figma, Adobe Photoshop, Adobe XD, BrowserStack, GIMP, UML
CICD: Git, Docker, SVN, Splunk, Sonar, Jenkins, Jira, Bamboo, Agile

Experience

Software Engineer, Cisco Systems   **Jan 2023 – Oct 2023**
- Developed internal Webex chatbots using Python, botkit, Snowflake, Flask, JavaScript, Docker, JSON, and YAML to automate employee desktop device onboarding, refresh, and health reporting
- Rewrote OS-specific projects in Python and Docker to provide an OS-independent bot management system, simplifying code, improving debugging, and standardizing deployment for any desktop OS
- Created Python & Pytest test automation for RESTful APIs reading from a MySQL backend to maintain and validate user device data alongside providing an accurate status report of all internal staff devices
- Guided team through Agile process, including an hour-long recorded audit, resulting in 30% boost in velocity

Sr. UI/UX Software Developer, O'Reilly Auto Parts   **Nov 2022 – Jun 2023**
- Created UIs implementing Java, JavaFX, CSS, Tomcat, Gradle, and Spring framework to simplify back office and Point of Sale (POS) systems for all 6,000+ physical retail locations
- Built early functional prototypes with Adobe XD, JavaFX, and CSS to start development on Check Engine Light diagnostic app, now utilized at all 6,000+ retail stores to diagnose and repair customer car issues

UX Software Developer, ARCOS LLC   **Oct 2021 – July 2022**
- Developed React Native UIs to upgrade "Mobile Workbench" workforce management iOS and Android apps, ensuring a smooth experience on all mobile platforms
- Upgraded "Crew Manager" and "Callout" workforce management web application UIs with TypeScript, CSS, Angular 12, and XML to provide browser-consistent design
- Created Adobe XD and Figma prototypes for form building software to start development and allow clients to generate custom solutions and reduce administrative costs
- Collaborated remotely with MS Teams, Slack, Git, & Atlassian tools to fix critical bugs and retail staff issues
- Expanded internal Storybook design system to standardize mobile and web application styling, eliminating CSS and improving team development speed by 20%

Software Technical Lead, MAG Aerospace   **March 2021 – Sept 2021**
- Redesigned Node.js information and communication portal UIs and functionality using MeteorJS, adding messaging, alerting, and real-time data capabilities to ultimately earn 1 year project contract extension
- Directed MongoDB database/collection creation, schema, and implementation, maintaining web app speed as additional features required complex queries
- Developed heat mapping tools with Python and PyQGIS to facilitate large-scale firefighting, allowing the company to offer software services to the Canadian and Australian governments
- Created weekly prototypes using Figma, BrowserStack, Adobe Photoshop, and GIMP to drive user interface design, improve project documentation, and clarify tasks before development
- Managed and configured Red Hat Enterprise and Ubuntu Linux virtual machines with bash and VirtualBox, including containerized web applications and development environments

- Led transition in converting code in primary project, a Meteor app, into reusable ReactJS components
- Deployed automated and A/B tests w/ BrowserStack and Cypress to validate web application user interfaces and responsiveness across different browsers and devices
- Constructed a login authentication system for Meteor web app using Keycloak and Active Directory (ADFS)
- Configured Bamboo pipelines to deploy Node.js project to Azure cloud environment
- Met with stakeholders to gather requirements, present updates, and propose solutions virtually and on-site

Software Engineer, MAG Aerospace   **Jan 2020 – March 2021**
- Developed NodeJS information & communication portal web applications UIs with MeteorJS on an Agile team to assist federal clients, meeting SDLC criteria with limited information.
- Built user interface components with BlazeJS templating to show, alter, and manage live MongoDB data to generate personalized dashboards based on user roles and event classification
- Obtained consensus on direction and explained potential solutions to clients and team by using Figma, Adobe Photoshop, BrowserStack, and GIMP prototypes to represent customer needs
- Containerized application and development environment with Docker to ensure proper software functionality and operation on classified systems and desktops
- Standardized style guides and styled UI components with Bootstrap and pure CSS
- Managed MongoDB database with MeteorJS and mongo shell to store, administer, and implement app data
- Wrote Python and Cypress unit tests and test automation to test MeteorJS application user experience and functionality across browsers and desktop devices

Software Test Engineer, Xylem Inc.   **Aug 2018 – July 2019**
- Wrote Python test automation scripts to ensure ally® water meter firmware quality, saving Dallas, Texas 12 million gallons of water from 2019 to 2020
- Guaranteed SmartPoint® radio transceiver firmware and FlexNet® communication protocol capability with test automation, selected in 2021 to manage utility consumption for 1.2 million Ohio residents
- Documented appliance firmware test plans, defect reports, and fault reconstruction with Perforce and SVN to help engineers release firmware and guide future development
- Manually tested digital smart grid devices with power supplies, water pumps, and optical sensors to simulate all expected conditions throughout a 20-year lifespan

Associate Software Engineer, Fidelity Investments   **Jan 2017 – May 2018**
- Developed bank transfer UIs and APIs with Node, TypeScript, Angular 2 & 4, Sass, Redux, and Git to enhance fidelity.com web app, allowing 50 million users to move funds across external checking and ETF accounts
- Established Mocha, Chai, Selenium, Robot, and Protractor test automation for user interfaces and APIs to ensure money transfers across all qualified fidelity.com accounts
- Created "Canary Service" application health dashboard utilizing Node, D3.js, Angular, SVG, and Selenium to let call center advisors visualize application suite performance and reduce application issue downtime
- Created a Javascript-powered JSON to CSV web tool to import and log REST API test results into spreadsheets for at least 20 bank transfer software developers
- Owned Jenkins pipeline testing phases to ensure quality and continuous deployment, employing logging tools and test automation to verify new feature functionality
- Monitored 6 Agile teams' Angular web applications concurrently by using Splunk and Sonar to observe and document software deployment results and artifacts

Projects

Home Site | HTML, CSS, JavaScript, Typescript, React, npm, webpack   **syrusgaddy.com**

Education

Fidelity Investments - LEAP Development Program: Software Engineering **June 2017**
Fayetteville State University - Bachelor of Science Computer Science, Mathematics Minor **May 2016**
- Won the 1st NASA Swarmathon robotics physical competition using C++, ROS, Gazebo, and Linux to design computer vision code for 6 NASA "Turtlebot" robotic artificial intelligence systems to help explore Mars