Justin Barros

SOFTWARE AUTOMATION ENGINEER

I have **4-5 years of experience** across **Software Engineering, QA Automation, DevOps, and API/Microservices** development. Seeking new opportunities to pivot my career into a more focused role in development or core-engineering. For my long term goals, **I plan to pursue a career in Cyber Security, AI/ML, Big Data, or Quantum Computing.** I am a passionate member of the computing & technology industry and aspire to become a valuable member of the community.

Education & Training

University of California, Santa Cruz
Bachelors of Science in Computer Science
September 2012 - June 2016.

Skills

- **Python, Java, JavaScript ES6+, C, HTML/5, CSS/3,** Unix/Linux/**Bash**
- **Django, Flask, React, Angular, Typescript,** D3.js, JQuery, Node.js/npm, Express.js, Bootstrap/Materialize, XML, **JSON,** HTTP, **REST,** Micro-Services
- PostgreSQL, **MongoDB,** SQLite, **MySQL**
- JUnit, TestNG, **Jenkins,** unittest.py, Appium, Selenium, **Jira, Git**/SVN
- VM/Containers: VirtualBox, VMWare, **Docker Container,** Kubernetes Pods
- **Strong skills in algorithms, data structures, OOP, scrum & agile methodologies.**
- Fluent in Tagalog and novice in Japanese.

Projects

- **GitHub:** https://github.com/jabhax
- **Website** (personal-portfolio): https://www.jabhax.io/
- **Chrome Extension:** https://chrome.google.com/webstore/detail/pe ek/icebehakioppnbnkcllakopjnmlkaabj
- Developed **simple shells, data deduplication servers, and a MINIX 3 kernel lottery scheduler in C.**
- **Real-Time visual data dashboard for utility usage** in the Monterey Bay National Marine Sanctuary, Santa Cruz, CA.
- Wrote **a compiler using C++, Bison, and Flex for a C-like language**.
- Wrote an **MMORPG Java plugin for Minecraft** using a CraftBukkit API.

Contact Details

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Experience

Software Engineer
Datera Inc. | April 2017 - present

- **Development for internal framework APIs** to communicate with clusters/storage nodes.
- **Owned 2-3 core product features** from a QA & Release standpoint; Point-of-Contact for **the life-cycle of nodes/clusters and node-data mappings.**
- Enforced good ethics & clean coding standards using PEP-8, Flake8, Pylint, and TDD; daily peer-code review, bug regression/triaging & automation, OOP & architectural design within internal product libraries.
- Proficient in **iSCSI, cloud clusters, iops, replication, and application/data driven practices;** worked in various development stacks, data layers, OS-level architectures, **Cloud-related infrastructures: clusters, storage nodes, iops, iSCSI layer, data-inconsistencies, data-replication, and data-orchestration**.

Software Developer
Wells Fargo Bank | July 2016 - April 2010

- **Design, architect, and develop an automation testing framework from the ground-up** using Java/EE, Appium, Selenium, JUnit, TestNG, SVN, Maven.
- Leveraged the framework being developed to **create and continuously integrate automated scripts** on browsers, Android, iOS, Windows mobile devices **for the Wells Fargo banking app.**
- **Helped Wells Fargo cut down on manual QA cost** through the Testing & Automation Framework.
- Joined with one other junior member and **expanded the team from size two to ten** by the end.

Software Engineer Intern
Xactly Corporation | January 2016 - June 2016

- **Developed a full-stack web-based application for form creation, management, submission, and result visualization** which features a dynamic UI form generator; **designed to meet the demands of Xactly Administrators, Managers, and Employees.**
- Agile development using MEAN stack with JQuery, MySQL..
- **Expedited development process using Agile**, scrum and burn-up charts under Xactly's mentorship.

Technician Lead & Supervisor
ResNet (UCSC) | September 2013- April 2016

- Worked as a full-time student to **interview, train, and manage 20+ university staff members in IT computer repair, network troubleshooting, and customer relationship management**.
- **Expedited and delegated the repairs of dozens of computers within the office** with various issues including virus infections, re-formats, and replacing malfunctioning hardware on a daily basis.
- **Effectively resolved hundreds of campus wide network outages** using tools and skills that identified disruptive network behaviors.