Simon Dutton

Full Stack Software Engineer + Systems Programmer

Boston, MA, USA • simonpcdutton@gmail.com • *linkedin.com/in/simondutton227* • *simondutton.netlify.app*

RELEVANT EXPERIENCE

Systems Programmer / Full Stack Developer, Brown Brothers Harriman June 2024 – Present
- Led team of senior-level developers to successfully launch rewrite of legacy application using customized in-house framework & remediated 80+ vulnerabilities. Developed enhanced reporting using ApachePOI & Oracle SQL views.
- Assisted with management of diverse app portfolio by acting as a lead correspondent for 5 distinct business groups.
- Managed intern in SDLC, rewriting EOL application using PowerApps while adding API calls to reduce user errors.
- Developed enhanced documentation of applications & in-house frameworks, promoting Jira & Confluence usage.

Software Engineer Trainee, Coding Temple March 2023 – June 2023
- Applied acquired knowledge of full-stack programming to successfully complete a range of 39 diverse projects across the tech stack, including developing RESTful APIs, ERDs, and secure authentication methods.
- Achieved "above and beyond" markings in 98% of projects through commitment to high quality, innovative solutions, which passed 100% of tests. Implemented individual research on UI/UX design for projects.
- Demonstrated effective collaboration skills in a coding environment through active participation and leadership in group projects / pair programming assignments, contributing to their successful completions.

Programming Instructor, iDTech, Breakwater School June 2018 – June 2022
- Instructed & debugged code alongside 100+ students of diverse ages & skill levels in programming applications
- Recognized as "Instructor of the Week" 55% of tenure for exceptional student engagement and dedication.

Lead Computer Science Peer Mentor, Mount Holyoke College September 2017 – May 2019
- Assessed and provided constructive feedback on 8-12 CS students' weekly coding assignments, offering suggestions to enhance code quality and coding style, while building soft skills such as self-efficacy
- Designed and utilized hands-on lab exercises to help labs of 40-55 students comprehend programming concepts.

PROJECTS

Team Lead / Lead Software Engineer, CraveCrafter October 2023 – January 2024
- Championed the entire development process for a food delivery app, skillfully intertwining backend API calls to Grubhub's platform with a self-designed Django backend. Created an algorithm to reduce food ordering time by 42%.
- Mentored team in frontend development, translating 25+ Figma designs to frontend (React/TailwindCSS) code. Led Scrum meetings to organize workflow & establish successful communication across all 4 teams.

Lead Software Engineer, Accessible Bathroom Finder April 2023 – July 2023
- Engineered a robust location-based search algorithm using Flask/React/PostgreSQL + APIs that enables users to discover, favorite, and filter 20+ accessible bathrooms within a specified radius. Increased search efficiency by 23%.

EDUCATION

Co.Lab, Online October 2023 — January 2024
Certificate — App Development
Coding Temple, Online March 2023 — June 2023
Certificate — Full Stack Development
Mount Holyoke College, South Hadley, MA September 2016 – May 2020
B.A. — Computer Science & Music – *Magna Cum Laude (**3.9** / 4.0 **GPA**)*

TECHNOLOGICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, C, HTML/CSS, Max
Frameworks: Angular, React, Spring/Spring Boot, Flask, Django, Tomcat, NodeJS, PowerApps, SharePoint, WordPress, Drupal, Processing, P5, ThreeJS, Bootstrap, TailwindCSS, MaterialUI, Arduino (I2C), Maven, Gradle
Databases: SQL (PostgreSQL, Oracle PL/SQL, Microsoft Server), NoSQL (JSON, XML), SQLDeveloper, SSMS
Testing: QUnit, JUnit, PyTest, PyUnit (Unittest), QTest, HCL AppScan (ASoC)
Tools/DevOps: GitHub, Bitbucket, Docker, Confluence, Jira, Scrum, Postman, Jenkins, RunMyJobs, Cron, IBM ODM
Additional Tools: RESTful APIs, Swagger, Jinja, Figma, Linux, MS Office, Google Suite, IntelliJ, VSCode, Eclipse