

Hudson Samuels

info@hudsonsamuels.com | hudsonsamuels.com | hudsonsamuels.com/github

EXPERIENCE

Repairify Inc.

Plano, TX

Software Engineer

June 2024 – Present

- Improved Pytest test reliability across different operating systems and implemented front-end testing using Jest
- Deployed and monitored software packages using Jenkins pipelines and Amazon Web Services

Junior Software Engineer

June 2023 – June 2024

- Developed B2B and B2C SaaS web applications used by 25K+ users with dozens of internal and external services using React and Spring
- Implemented SSO and a web-based RDP tool for internal use by 1.5K+ users for remote diagnosing of vehicles
- Developed B2B and B2C APIs using Django and PostgreSQL
- Created and presented a series on how to develop and host a blog using React to students at UT Dallas

Junior Software Engineer in Test

April 2022 – June 2023

- Developed a mobile automation testing package using Node.js and Appium from scratch
- Maintained a web automation testing package with 1K+ tests using C# and Selenium

UTDesign Makerspace

Richardson, TX

President

May 2022 – May 2024

- Created training courses for complex topics like 3D printing and laser cutting
- Contributed to open-source software used by 2K+ members
- Improved reliability of services by implementing an online training service and having live 3D print information available remotely through OctoPrint and a Discord bot

EDUCATION

University of Texas at Dallas

Richardson, TX

Master of Science in Computer Science

August 2023 – December 2024

Bachelor of Science in Computer Science

August 2019 – May 2023

- Took courses in the cybersecurity and interactive computing tracks, including binary analysis, info security, network security, multimedia systems, and computer animation and gaming

PROJECTS

Decky Loader | *Python, React, GitHub Actions*

January 2023 – Present

- Developed a full-stack application using React and Python which injects into the front-end of the Steam Deck – a handheld gaming console – allowing users to install plugins to improve the user experience
- Improved distribution of the plugin to 3M+ downloads by creating a website using React and improving installation documentation
- Wrote documentation for installation, installing plugins, and plugin creation
- Used GitHub Actions to automate tasks like linting and building into an executable format

BitBot | *TypeScript, Discord.js, MariaDB, MongoDB, Docker*

October 2021 – May 2024

- Developed a Discord bot using Discord.js to provide information to UTDesign Makerspace members
- Implemented commands to see 3D printer status, current user, and webcam remotely
- Automated tasks like LDAP group assignment and creation of student events on the Discord calendar
- Implemented a listener which detects frequently asked questions and posts a detailed solution

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, C#, Java, C/C++, SQL (PostgreSQL), NoSQL (MongoDB), GraphQL

Frameworks: React, Node.js, Django, Jest, Pytest, Spring, Appium, Selenium, Material UI

Developer Tools: Git, Docker, Amazon Web Services, GitHub Actions, Jenkins, VS Code, Visual Studio, Eclipse

Libraries: Styled Components, React Query, React Hook Form, Discord.js