Hudson Samuels

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EXPERIENCE

Southwest Airlines   Dallas, TX
Software Engineer   *October 2024 – Present*
- Developed internal tools used by 75K+ employees to improve company culture, engagement, and outreach using Amazon Web Services, Salesforce, Python, and Java
- Led investigation and resolution of incidents reported to a ServiceNow dashboard

Repairify Inc.   Plano, TX
Software Engineer   *June 2024 – October 2024*
- 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

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