Skyler Burger

Software Engineer

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skybur.io | linkedin.com/in/skylerburger | github.com/skylerburger

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Technical Skills

Languages: Python, JavaScript, TypeScript, HTML, CSS

Tools: React, FastAPI, Flask, AWS, Pydantic, Node.js, Express, Joi, Postgres, Zustand

Operating Systems: Linux, MacOS, Windows

Work Experience

KnockCRM / RealPage | Software Engineer | Seattle, WA | Oct 2021 – Sep 2023

- Identified and took charge on a project to improve our property syncs with vendor partner MRI. I identified inefficiencies in our current synchronizer and refactored the legacy code (Python) to both decrease the API call load on the vendor and increase our sync times by up to 30% per property.
- Extensively investigated a bug overwriting critical lease data in our vendor partner Yardi that had persisted over the course of two years and multiple investigations. With meticulous and thorough testing I was able to identify inconsistencies in Yardi's Resident API. After collecting a bolus of supporting data (AWS Cloudwatch, New Relic) I was able to urge our management to engage in a dialog with Yardi to investigate the issue on their end which resulted in Yardi locating the long-running bug in their system two months later.
- Performed deployments and database migrations to production environments while coordinating remotely with multiple teams. During a release cycle when I was assigned to perform the required database migration I reviewed the Release Team's notes and verified them against production to discover that the database was further behind than expected. I raised the issue to the Release Team and led the search for missing tickets and approvals for the unaccounted migrations before release.
- Refactored fronted UI (JavaScript) and backend API components (Python, TypeScript) used in our Admin Settings page to help update our business model for the future vision of centralized leasing. I brought up issues and potential solutions to our group during stand ups as our legacy models failed to support our new business patterns and needs efficiently.
- Onboarded multiple remote engineering contractors and senior engineers to our Integrations team which had no formal process. I wanted my teammates to feel welcome and contribute quickly, so I took it upon myself to ensure they were onboarded properly. I was also entrusted with mentoring an Ada Academy intern during their 6-month internship on our team where I focus on paired-programming and deep understanding of the "why" behind our actions.

Splunk via TEKSystems | Cloud Access Support | Seattle, WA | Apr 2021 – Oct 2021

- Led initiative to create internal wiki for Cloud Support org using GitHub Actions and Jekyll to publish a searchable knowledge base behind the corporate VPN to increase quality and speed of support.
- Configured secure developer access to internal tools in compliance with general, L2, and L5 security requirements as requested by team leads and approved by security leaders using Okta, Saviynt, and Terraform.
- Responsible for onboarding and mentoring of new Cloud Access Support staff as they work towards their goals as future software engineers.
- Supported and triaged cloud access issues for 6000+ remote employees across the globe.
- Navigated professional contract opening, reporting, and closure with a technical recruiter.

Code Fellows | Teaching Assistant | Seattle, WA | Dec 2019 – Mar 2021
- Mentored students learning web development technologies in-person & remotely in a fast-paced and often stressful environment. This required a delicate balance between grit and empathy in order to help push students out of their comfort zone and into a growth mindset.
- Performed mock technical whiteboard interviews, behavioral interviews, and application material assessments for students preparing to enter the real world and fulfill their dreams of a career transition into Tech.
- Provided guidance to lead instructors on student progress and challenges. The teachers and TAs in this program really cared about the students and we were constantly communicating with each other to identify issues and get help to those who needed it most.
- Served (8) Code 201 cohorts, (6) Code 301 cohorts, and (3) Code 401 Python cohorts.

Interim Continued Learning Projects

New Tab Dialer | https://github.com/SkylerBurger/new_tab_dialer | https://dialer.skybur.io
- A bookmarking Chrome Extension aiming to be a cleaner clone of FVD Speed Dial. Built using React functional components, custom hooks, and Zustand's Persist integration to manage state. Work is broken up in an agile-like manner and managed using GitHub Issues in a Project connected to the repo.

Open Source Contribution to Pretalx | https://github.com/pretalx/pretalx/pull/1777
- I sought out an open source project I could try to jump into and help close an open issue. Pretalx is software for managing conventions that feature speakers. This was a great experience in diving into a new codebase and I highly respect their documentation and dev onboarding.
- Set up the dev environment and navigated the Pretalx Django app to locate template files for the pages referenced in the issue. Wrote a JavaScript snippet that was inserted into the template to resolve the issue. I've written more detail in the PR linked above.

Skybur.IO | https:/skybur.io/
- Worked on redeploying my portfolio site on a new cloud service. The site was previously served from a Droplet on DigitalOcean where I could SSH into the Droplet and host multiple projects, but it was costly at ~$7/mo. Now I am using AWS Route53 and AWS Amplify to rebuild and redeploy the site when changes are pulled into the main branch. In comparison to the Droplet approach, builds are now automated and costs are down to ~$2.50/mo.

3D Modeling | https://www.printables.com/@tinkersky_1793718
- Since February 2024 I have learned: 3D printer calibration and slicing using OrcaSlicer, 3D design using FreeCAD and Blender, as well as troubleshooting failed prints.
- Designed and released a parametric CAD design for knitting machine needle selectors as well as a device cradle attachment for the latest line of Logitech mechanical keyboards.
- My designs were uploaded to Printables in March and have over 50 downloads.

Education

Code Fellows | Seattle, WA
Certificate - Advanced Software Development in Python | September 2019

University of Washington | Seattle, WA
B.A. in Drama (Focus: Sound Design) | June 2011