Thapelo Tsotetsi

Personal Information

Place and Date of Birth:	South Africa(Free State Province)	15 January 1988
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Work Experience

Feb 2023-Aug 2024 — Software Engineer at Tsolo Storage Systems (Pty) Ltd, Cape Town
- I was contracted to SARAO from Tsolo to work on the SKAO Telescope in ZA.
- Deployed Telescope(SKA) artefacts to our own Data-Centre(ITF) using git pipelines.
- Created and updated telescope dashboards based on requirements.
- Investigate/resolve integration issues based on feedback from other teams.
- Attended daily stand-ups, retrospectives and contribute Scrum planning events.
- Ensured that SKAO artifacts documentation and user manuals are up to date.
[Python, CI/CD Pipelines, Helm, Kubernetes, CSS, Docker, Postgres, Git]

Oct 2021-Dec 2022 — Frontend Web Developer at G Adventures, Remote
- Converted designs into React(HTML/CSS) components. Performed API integration.
- Assisted in investigating and fixing reported bugs. Performed code reviews.
- Ensured Responsive Web Designs are used. Solved Cross-Browser Compatibility.
- Wrote unit-tests for our reusable react components.
[React, CI/CD Pipelines, JavaScript, Testing and Debugging, HTML/CSS, Git, Slack]

Jan 2020-Sep 2021 — Sr Lecturer - Fullstack Developer at Life Choices Coding Academy, On-site
- Taught youth(18-25) how to program using Python(Flask), SQL, HTML, JS(React) and CSS.
- Developed curriculum based on Fullstack Developerment(Teaching, quizzes, final projects).
- Used Flask(Python REST Frameworks) for API development and Linux as our main OS
- Introduced CI/CD - Travis/Jenkins/Circle CI and Git as part of our development flow.
- Assisted Curriculum Lead in developing and reviewing curriculum modules.
[Python + Flask(API), React, PostgreSQL, , JavaScript, Netlify, Heroku, HTML/CSS, Git, Slack]

Oct 2017-May 2019 — Software Developer at Zapper, On-site
- Integrated Frontend and Backend (API) aspects of the web applications.
- Communicated and collaborated with product managers and UX/UI designers.
- Researched, designed, developed and tested new web app(s) tools for the marketing team.
- Translated new designs, developed and tested new merchant signup process.
- Prepare, deploy and test releases across our environments (QA, Staging and Production).
- Investigated, reproduced and fixed reported bugs and issues.
- Refactored, redesigned and optimised current zapper.com and mp.zapper.com codebase.
[PHP + In-House Frameworks(API), PostgreSQL, , JS, Nginx, AWS S3, HTML/CSS, Git, Slack]

Mar 2016-Oct 2017 — Fullstack Developer at Byte Orbit, On-site
- Provided guidance on product and architectural design of new API's and Integration.
- Researched, designed and developed API'S using django-rest-framework(with tests).
- Integrated API endpoints with front-end web applications using AngularJS.
- Collaborate with other developers and review pull requests.
- Participate in sprint planning sessions, stand-ups as well as retrospectives.
[Python + Django, AngularJS, PostgreSQL, , JavaScript, Docker, AWS, HTML/CSS, Git, CI/CD]

Education

December 2015   BSc in Computer Science and Information Systems, **UCT**, South Africa.

Certificates

October 2024   Google Cybersecurity.

Languages

English:	Fluent.
Sesotho:	Mothertongue.
Xhosa and Zulu:	Intermediate Knowledge.

Skills

- Python, Django(API), JS(React, AngularJS), MySQL(SQL), Postgres, PHP, GIT, Redis.
- OOP, DB Administration, System Architecture, Linux, Micro-services, LaTeX.
- Deployments, Debugging, Integration, Helm, Project management.
- Problem solver, Self motivated, Great communication skills, Attention to details.

Interests and Activities

Open-Source software, Programming, Cybersecurity, AI.
Playing for local soccer team, Car Enthusiast, Learning different music instruments.