PETERSEN PHIHLELA

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I am a final year Electrical and Computer Engineering student at University of Cape Town (UCT). I have experience in Web development focusing on backend development.

EXPERIENCE

Cape Medics

Full-stack Web developer (February 2020 – February 2021)

Worked in a team of 2 to develop an online booking platform for Cape Medics.

- Designed and implemented a CMS in React that allows the client (Cape Medics) to update landing page information and portfolio pictures.
- Developed a booking cost calculation algorithm which reduced manual admin processes by 80%.
- Introduced a color-coded calendar layout to monitor bookings and email notifications to Cape Medics staff whenever a booking is made or modified. The real-time calendar update feature helps Cape Medics attend to booking timeously and affords the client flexibility when modifying booking details.
- Successfully integrated online payments for bookings using PayFast.

Stockman (Zaio client)

Back-end Web developer (August 2019 – September 2019)

- Assisted the client with integration issues for a ReactJS frontend and GraphQL server.
- Wrote scripts to automate project staging and deployment. Introduced the use of Docker for improved DevOps.

Zaio

Front-end Web developer (June 2018 – October 2018)

Served as a front-end developer and tech lead for a team of three to deliver a responsive and user-friendly job application web app for a Zaio client.

- Completed the project a month before the intended deadline.
- Successfully developed a web app fit for production and deployed on Google cloud.

EDUCATION

Electrical and Computer Engineering (2016 - 2021)

SOFT SKILLS

Electrical and Computer Engineering

- Python
- Java
- C/C++ (embedded systems)

Web Development

- Javascript/Typescript
- ReactJS / NextJS
- NodeJS
- GraphQL
- Database design (MongoDB, MySQL, PostgreSQL)
- jQuery
- AJAX