Ikraam S Ghoor

Full-Stack Developer
Electronics Engineer
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SKILLS

Back-End: Ruby + Rails + RSpec + SQL.	**Front-End:** JavaScript + HTML + (S)CSS + Bootstrap

Tools: Git + GitHub + Heroku + Linux + VS Code + Jest + TDD.
Partial experience with: MATLAB + Arduino C + VHDL + PIC Assembly + Python.
Electronics experience: Digital/Analogue circuit design + Micro-controllers + CMOS design

EXPERIENCE

Microverse, Remote - *Technical Support Engineer*

JUL 2020 - Current

- In the 1% accepted to become a Technical Support Engineer where I performed code reviews on projects written in Ruby and HTML & CSS, allowing me to become more comfortable with diving into and navigating unfamiliar code-bases.
- Ensured best practices and guidelines were followed, which has given me a high level of attention to detail, and taught me to pass my ideas across effectively and understandably with a positive attitude.
- Received a commendation from the department head on my contribution to the curriculum by helping to improve the code review guidelines.

Motion Perfection Industries, Johannesburg, South Africa - *Technical Product Manager*

AUG 2018 - OCT 2019

- Awarded 'Employee Excellence' award for exemplary conduct, and for being the "go-to" person in exploring the technical aspects of new avenues of income.
- Led two Software Engineers while creating custom 'Fleet Management' solutions for large mining industry clients which increased control and manageability of hundreds of vehicles.
- Developed an idling detector to save a client an estimated $10k+ per year on fuel inefficiencies for the fleet.
- Assumed the role of QA Engineer in the application of proximity-detection electronics in off-road mining vehicles.

University Of Pretoria, South Africa - *Assistant Lecturer (Digital and Analog Electronics)*

JAN 2017 - DEC 2017

- Automated the marking of 300+ students' code in Python for the VHDL programming language, saving tens of hours of code reviews.
- Improved the management of Linux servers for university software licenses (decreased downtime completely by implementing automatic server restarts).
- Published a peer-reviewed paper on bio-electronics in an IEEE (Institute of Electrical and Electronics Engineers) conference in partnership with the largest research body in Africa, the CSIR (Council for Scientific and Industrial Research).

EDUCATION

Microverse, Remote - *Full-Stack Developer Certification*

FEB 2020 - Current

- Mentored 2 students for the past 6 months on a 1:1 basis to provide technical and professional assistance as they improved their software development skills
- Developed skills in remote pair-programming using GitHub, industry-standard git-flow, and daily standups to communicate and collaborate with international remote developers.
- Spent 1000+ hours mastering full-stack development, algorithms, and data structures through developing projects in Ruby, Rails, and JavaScript.
- Completed 100+ code reviews in CSS, Ruby, and Rails and managed a team of 5 code reviewers (4 weeks) to direct the team in providing support and clear/constructive feedback to the code presenter.
- Contributed multiple times to 'The Odin Project' on GitHub, adding student solutions and improving the open-source curriculum.

ENJO, South Africa - *Facilitation of Adult Learning Certification*

JUL 2019

- Achieved a perfect review score from program assessor during a live examination. The examination consisted of a personally chosen topic that was presented to a cross-cultural and cross-generational class.

University Of Pretoria, South Africa - *Bachelor of Engineering in Electronics*

JAN 2012 - DEC 2016

- Published a peer-reviewed paper on bio-electronics, and it was presented at an SPIE conference (Society of Photo-Optical Instrumentation Engineers) and IEEE AFRICON.