JOHAN NEL

SOFTWARE ENGINEER

SUMMARY

I'm an experienced full stack web developer specializing in Javascript and PHP and I'm currently in my final year studying BSc Computer Science at the University of Pretoria.

ACHIEVEMENTS

- Limitless Virtual Android Hackathon (2015)
    - Result: 1st Place
    - Objective: To develop an Android application using Java and various other Google services and to create a strategy on how the application could be monetized.
- Blackberry Mobile Application Development Challenge (2013)
    - Result: 1st Place
    - Objective: To develop an application of our choice for Blackberry devices using Java.

INFORMATION

Mobile: (082) 945 4558
Email: jtfnel31@gmail.com
Github: https://github.com/Jtfnel
LinkedIn: https://www.linkedin.com/in/jtfnel/
Driver's Licence: Yes
Own Transport: Yes

WORK EXPERIENCE

Office Clerk

BDJ Auditors | 2015 - 2016

- Digitizing and organizing important client documents

Part Time Clerk

PWA Pieterse Ouditeure | 2014 - 2016

- Providing staff with computer training
- Setting up computer systems and networks
- Various office tasks

System Administrator's Assistant

Hoërskool Garsfontein | 2011 - 2012

- Assisting in basic troubleshooting
- Setting up computer systems

EDUCATION & QUALIFICATIONS

Private Pilot Licence

Blue Chip Flight School | 2015 - 2016

National Senior Certificate

Hoërskool Garsfontein | 2010 - 2014

SKILLS

- General Skills
    - Team Management
    - Continuous Integration
    - Agile Development
    - Git
    - Web Server Setup
- Programming Languages
    - C++
    - Dart
    - Java
    - PHP
- Web Languages
    - HTML
    - CSS and SCSS
    - Typescript and Javascript
- Databases
    - MySQL
    - PostgreSQL
    - MongoDB
- Frameworks and Platforms
    - Angular
    - Firebase
    - Flutter
    - NodeJS
    - Phalcon

PROJECTS

ERP Ranger Application

COS 301 and ERP Group

- Link: https://github.com/cos301-2019-se/ERP-Ranger-Mobile-Application
- Technologies: Dart, Flutter, Typescript, Angular, Firebase, HTML, SCSS
- Summary: The main part of this project is a mobile application my team and I are developing for the ERP group using Dart and Flutter. The goal of the application is to track volunteer park rangers while they are out on patrol in a nature reserve and then provide them with rewards based on the time spent on patrol and distance patrolled. The application also provides volunteer rangers with the ability to report anything they see while on patrol. The second part of the project is a web application for administrators we are developing using Angular and Typescript. The web application portion of the project provides administrators with the ability to monitor the location and activity of rangers. Both portions of the project use Firebase as a backend.

Auto Events

Personal

- Link: https://autoevents.co.za or https://auto-events.web.app/
- Technologies: Typescript, Angular, Firebase, HTML, SCSS
- Summary: This is a web application I'm currently developing that will allow users to find, create and share automotive events in their area. It is developed in Angular with a Firebase backend.

Pilot's Toolbox

Limitless Virtual Android Hackathon (2015)

- Technologies: Android, Java, PHP, MySQL
- Summary: The main part of this project is a mobile application I developed for Android devices using Java. The application provides pilots with tools they might require before, during or after a flight. These tools include a flight time tracker, a flight plan creation assistant, a aviation focused calculator, a logbook that was synced with a custom PHP API and more.

Gaming RSA

Blackberry Mobile Application Development Challenge (2013)

- Technologies: Java, PHP, MySQL, HTML, CSS, Javascript
- Summary: The main part of this project is a mobile application I developed for Blackberry devices using Java. The application provides users with information and news from the video game industry which is retrieved from a custom API I developed in PHP. The API also had a private online admin portal where articles and data could be added and managed.

PHP Router

Personal

- Link: https://github.com/Jtfnel/PHP-Router
- Technologies: PHP
- Summary: This is a PHP request router which I built to use with another project of mine. It uses regular expressions to route users to the correct areas inside a PHP application. It can also handle route parameters and handle certain errors.