
Project Tender

Project: Name
Client: Client

Team: Valknut Solutions

- 13054903 - Charl Jansen van Vuuren
- 10297902 - Bernhard Schuld
- 13044924 - Kevin Heritage
- - Quinton Weenink

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF PRETORIA

DATE

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1 The team

1.1 Charl Jansen van Vuuren

Charl Jansen van Vuuren BSc Information Technology

1.1.1 My interests include:

- Computer Science
- Music - Open to new and different genres
- Skillful instrumental demonstrations
- New technologies (Raspberry Pi, Google Hololens, Bitcoin)
- Casual PC gaming
- Mobile and web development
- Network management and networks in general
- Action/Sci-fi movies and television shows

1.1.2 Technical Skills:

- High level languages(Java, C++, C)
- Web based languages(HTML, PHP, Javascript, Ajax, JQuery, CSS)
- LateX, Javadoc - Documentation languages
- SQL (MySQL, PostgreSQL)
- Database management systems(Postgre, Microsoft SQL Server)
- Version control systems (Git)
- Unix proficiency(Linux, bash)
- Limited knowledge in Cyberlaw, Commercial law and Criminology

1.1.3 Past experience:

I am a teaching assistant for Informatics 214 (Database systems), which is mainly SQL based. I am comfortable to work on database systems and queries as I mark practicals each week based on SQL.

The majority of our BSc I.T modules provides proficiency with regards to the aforementioned Technical skills.

1.1.4 Non-technical strengths

- I play some Guitar in my free time.

1.1.5 What makes you want to do the project

EPI-USE one:

I find the concept of Bitcoin and the implementation of Blockchain fascinating. The possibilities with regards to this concept is endless and I look forward to learning more about the implementation of software based on Blockchain and the use of peer-to-peer implementations in general.

Insurance blah blah:

Social media has seen a huge growth in the last 5 years and developing a system based on this form of media is fascinating and can lead to some interesting application.

Crop:

Agriculture contributes significantly to our daily lives and the ability to predict scenarios that might allow us to foresee damages will in the end result in a sustainable future. I believe the development of these stress-testing algorithms can combat unforeseen damages.

1.2 Bernhard Schuld

Bernhard Schuld

BSc Information Technology

1.2.1 My interests include:

- Programming - High level languages
- Web development
- Jiu-Jitsu
- Music - Mostly Heavy Metal, but a lot of different genres appeal to me
- Drumming - Jazz and hard rock drumming
- Technology
- Computer Gaming

1.2.2 Technical Skills:

- High level languages (Java)
- Web development languages (PHP, Javascript, Angular JS, Ajax, jQuery)
- SQL
- Git

1.2.3 Past experience:

I recently started working at Consulta Research as an intern in their IT department. So far I have worked exclusively on web solutions for them.

1.2.4 Non-technical strengths

- Hard working
- Fairly proficient drummer
- Extremely vast random general knowledge facts

1.2.5 What makes you want to do the project

1.3 Kevin David Heritage

1.3.1 My interests include:

- Simplifying my life in general using technology - especially networking.
- Computer gaming - including the assembling of all the components of the machine.
- Customization of my current Linux operating system.
- Mobile technology - especially regarding the Android operating system.
- Traveling from time to time.
- Playing guitar casually.
- Finding/making the best cup of coffee.
- Android app development.
- Exploring by playing with different technologies.

1.3.2 Technical Skills:

- High level languages
 - Java
 - C++
 - C
 - Pascal/Delphi
 - C#
- Web development languages
 - HTML5
 - PHP
 - Javascript
 - jQuery
 - Bootstrap
- Documentation
 - Javadoc
 - LaTeX
- SQL & database management systems
 - MySQL
 - Microsoft SQL Server
- Version Control
 - Git

- Unix proficiency
 - Ubuntu, Archlinux
 - prefer to use CLI
 - bash scripting
- Mobile development
 - Phonegap
 - Android Studio - Preferred
 - Xamarin

1.3.3 What makes you want to do the project

1.4 Team member name

2 Project Execution

2.1 Project

2.2 Project

2.3 Project