



# Arie Roos

## Developer

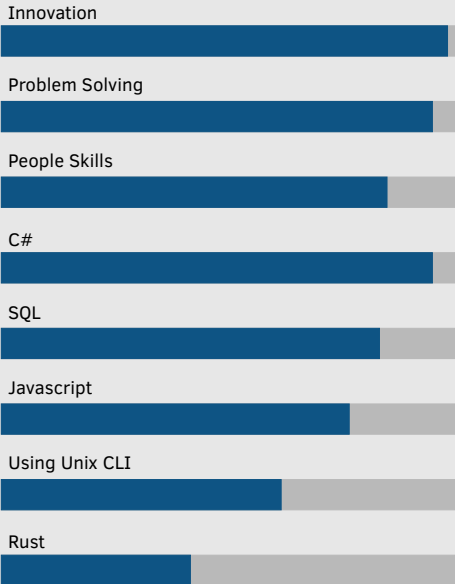
- 16 September 1989
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## About me

I am an eneregetic, curious and creative developer. My love for code is driven by my love for math, algorithms and logical puzzles. I love exploring new ideas, and am always willing to learn. I like people about as much as I like logic, and therefore I work best in a small team. It is easy for me to be self-motivated when I am surrounded by peers, but I tend toget distracted when I am alone. I flourish in work environments whith many freedoms, whether those are creative or environmental. A structured environment may seem tedious or even overwhelming to me.

## Skills

A half full bar indicates professional competence. A full bar indicates "no room for improvement".



## Interests

I am a thinker, I love Math, Puzzles, Theology and Philosophy. I am also curious, and always appreciate new knowledge. I like to keep active and spend time in nature.

## Education

- 2009-2012 B.Sc. Mathematical Sciences Stellenbosch University  
Majoring in Computer Science
- 2003-2007 High school Brackenfell High School  
Computer Studies, Math, Science, Biology, English, Afrikaans
- 2017 Life Coaching Certificate New Insights (Distance Learning)  
A two-year course in Life Coaching including 50 hours of practical work.

## Experience

- 2018-Now Software Developer Itecho  
We developed a product for managing and automating a factory.
  - I developed the parameterised models on the project, which included a lot of Mathematics and consulting with the client's mechanical engineers.
  - I built a very nice library for computational geometry.
  - On the frontend I built and displayed a few 3D models, and built user interfaces to record parameters for the models I developed.
  - I wrote a genetic algorithm to improve nesting, we managed to reduce the client's offcuts by up to 25%.
  - I helped to develop the MVC flow for the model parameters.I gained experience in client relations, C#, .NET Core, EF Core, Javascript, vue.js, and PostgreSQL.
- 2017-2018 Life Coach Self Employed  
I had my own life coaching practice. I worked with clients on a one to one basis to help improve their lives, and I also presented a few self-improvement workshops. I helped people to quit smoking, get their lives back on track after traumatising events, improve their social lives, etc. My work was non-technical, but I did learn a lot about people, leadership, motivation and public speaking.
- 2016-2017 DevOps Engineer Airvantage  
This is the same job as at VAS-X (our product was bought by Airvantage, along with the team). However, I moved back into devel-  
opment a bit, and I had a nice variety of responsibilities.
  - I worked with the developers to get bugs fixed. I developed some of the patches myself. I investigated the other bugs, and told the developers exacty which line caused it.
  - I was responsible for reconciling our data with our biggest client's data.
  - I was on call every third week, in which I had to respond to after-hours issues within SLA times. And deploy patches at night when the systems were quiet.
  - I interfaced with corporate clients often, making sure to complete the necesarry documentation for every issue or patch.
  - I did a lot of second line support tickets.I worked for an excellent CTO, who encouraged us to automate our work. I gained a lot of experience in Oracle.
- 2014-2016 Support Engineer VAS-X  
I was part of the team running an Airtime Advance System at mul-  
tiple telecom companies. My duties included mostly operational work, with a few support tickets and regular interaction with cor-  
porate clients. I did most of my technical work directly in the Or-  
acle database.



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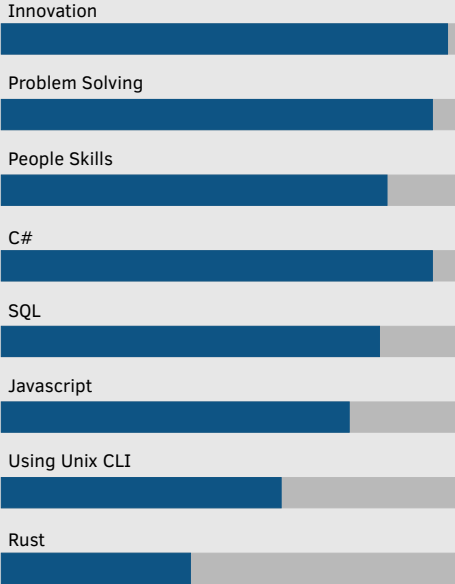
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- 2014 Software Developer iPLan Industrial Engineers  
At iPlan I wrote extensions and interations for Syspro(an ERP System) using C#.NET. I also integrated a few Excel sheets with Syspro, using VBA.NET.
- 2012-2013 Software Engineer Libralex  
At Libralex I had a wide range of responsibilties. I maintained an admin product aimed at veterinary clinics, for which I was the only technical person on the project. I did support at all levels and the development work. I also wrote software for a system to control multiple geysers from a single user interface. I wrote a lot of concurrent code for the geyser system.
- 2010-2011 Tutor Stellenbosch University  
While studying I kept myself busy, and earned a small income tutoring younger students.
- 2008 Camp Facilitator Wortelgat Outreach Trust  
This is what I did in my GAP year. I worked a lot with children and teenagers, teaching various soft skills through camp activities.

## Personal Info

I am first and foremost a Christian. I take a heavy interest in theology, and in what it means to be a Christian. My family is also very important to me, and I will go to great lengths to ensure that I spend enough time with my wife and my son. I like the outdoors, so I often spend time walking my dog, mountian biking, or just enjoying nature with my family.