Ivan du Toit

Software Development Engineer

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About

Ivan du Toit is an eager learner willing to do any task that delivers the most value to the business, large or small. He has a record of keeping track of complex domains while leading high performance teams at companies like Amazon Web Services

Profiles

Linkedin
Ivan-du-toit (https://za.linkedin.com/in/ivan-du-toit-33a93013)

Github
Ivan-du-toit (https://github.com/Ivan-du-toit)

Work

Amazon

2016-09-01 —

Amazon Web Services (Software Development Engineer II)

I am the team lead for the team that builds the EC2 (https://console.aws.amazon.com/ec2/home) management console. My focus is on increasing operational excellence and increasing our delivery velocity. This includes training new team members and driving the development of a DSL and framework to allow us to delivery more value to out customers, faster.

Highlights

- Driving and getting projects delivered across teams
- Steering and delivering a platform for increase delivery in multiple team
- Increased normalized project delivery by 50% YoY for 2 years while the team only grew 10%

Amazon

2014-04-01 — 2016-08-30

Amazon (Software Development Engineer)

I worked in the User Experience team to build the EC2 (https://console.aws.amazon.com/ec2/home) and VPC (console.aws.amazon.com/vpc/home) management consoles. To increase my exposure I am also involved in EC2 API design. Giving back is also important to me by helping newbies in operational excellence 101 training along with mentoring and helping interns

Highlights

- Reducing my teams operation incidents and load by 20% by driving good operational practice
- Training all new on-calls to prepare for their first rotation
- Initiating and delivering two big customer asks without impacting the teams roadmap

Amazon

2013-12-02 — 2014-03-30

(Software Development Engineer - Intern

I worked in the User Experience team to build a UI testing framework based on CasperJS and PhantomJS.

Highlights

- Learned a lot about testing and the impact of good testing on velocity
- The framework and design is the bases of the testing used 3 years later

University of Pretoria (Teaching Assistant)

2012-02-01 — 2012-12-01

Teaching Assistant

I helped students in the COS 151 and COS 110 modules to understand programming practice and complete the course work successfully.

Alfega Technologies

2008-06-01 — 2011-01-30

Programmer

Web applications development and testing including creating a custom content management system. Lead development on the CMS during the last year.

Highlights

- Built custom CMS solution

Education

University of Pretoria

2011-02-01 — 2013-12-02

🎓 **Computer Science**
   BSc

Courses

- COS314 - Artificial intelligence
- OBS114 - Business management

- OBS124 - Business management
- WTW114 - Calculus
- WTW128 - Calculus
- ERA284 - Computer architecture
- COS226 - Concurrent systems
- COS212 - Data structures and algorithms
- WTW115 - Discrete structures
- WTW285 - Discrete structures 2
- PHY171 - First course in physics
- COS132 - Imperative programming
- INF214 - Informatics
- INL240 - Information science
- COS151 - Introduction to computer Science
- WTW126 - Linear Algebra
- WTW152 - Mathematical modelling
- COS216 - Netcentric computer systems
- COS110 - Program design: Introduction
- COS222 - Operating systems
- STK110 + STK120 - Statistics
- COS121 - Software modelling and design patterns
- CS258 - Software Testing(Udacity.com)
- Introduction to Artificial Intelligence at ai-class.com
- Learning how to learn (Coursera)
- Machine Learning by Andrew Ng (Coursera)

Awards

by **Techcrunch**   Awarded 2014-11-01

There is no spoon.

Skills

Web Development

- HTML
- CSS
- Javascript
- GWT
- AngularJs

Stateless backend development

- Java
- Spring

Devops

- AWS
- Cloud
- Infrastructure as code

Languages

Afrikaans
Native speaker

English
Native speaker

Interests

Fencing