

Ivan du Toit

Software Development Engineer

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 [Ivan-du-toit](#)  [Ivan-du-toit](#)

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

SKILLS

Web Development

Master

[html](#) | [css](#) | [javascript](#) | [gwt](#) | [angularjs](#)

Stateless backend development

Master

[java](#) | [spring](#)

Devops

Master

[aws](#) | [cloud](#) | [infrastructure as code](#)

WORK EXPERIENCE

Amazon Web Services (Software Development Engineer II) at Amazon

September 2016 - Current

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.

- 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 (Software Development Engineer) at Amazon

April 2014 - August 2016

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

- 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

(Software Development Engineer - Intern at Amazon

December 2013 - March 2014

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

- 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

Teaching Assistant at University of Pretoria (Teaching Assistant)

February 2012 - December 2012

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

Programmer at Alfega Technologies

June 2008 - January 2011

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

- Built custom CMS solution

EDUCATION

BSc Computer Science at University of Pretoria

2011 - 2013

Major 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](#)

at Online Courses

2011 - Current

Major courses: [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

Golden Key International Invitation

at Golden Key International Honour Society

2012

Recieved an invitation to join the socieity due to academic performance during the course of my studies.

U/20 SA Fencing colours

2009

Recieved South African colours for U/20 Fencing

U/20 National Fencing Champion

2009

Won the South African U/20 nationals

FIRST Robitics League Best Programmer

at FIRST Robitics League South Africa

2006

Lead a team to participate in the FIRST Robotics League as part of a community outreach and enrichment program. Won the "Best Programmer" award at the FIRST Robitics League national finals in 2006.

LANGUAGES

Afrikaans

Native speaker

English

Native speaker

INTERESTS

Fencing