

Ryan Tracey

München, Germany
☎ +49 176 2311 2702
✉ ryant@hiredgnu.net

⇒ <https://hiredgnu.net>
⇒ <https://linkedin.com/in/ryant71>
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Profile

Solution oriented and analytical Infrastructure Engineer with extensive experience in AWS, database and Linux administration. Works to continually improve services as well as automate processes, creating reliable, re-usable and leading edge DevOps practices and tools. Experience includes work with consultancies, startups, and large corporates, across a wide variety of industries.

Would consider exploratory conversations around Platform, Infrastructure, DevOps, or DataOps roles which include, amongst others, the technologies outlined in the *Core Technologies & Skills* section.

Core Technologies & Skills

Technologies	Skill	Comment
AWS Networking	■■■■■	Complex AWS topologies deployed with CloudFormation
AWS ECS, CloudFormation	■■■■■	CloudFormation & Fargate
AWS CDK	■□□□	Creating resources such as RDS
CircleCI	■■■■■	Continuous Delivery along with the above tools
Docker, LXD	■■■■■	Docker used in AWS CD pipeline
Python & BASH	■■■■■	SQLAlchemy, Pandas
MySQL	■■■■■	Replication, stored procedures, & problem solving
SaltStack	■■■■■	Extensive use for configuration management
Ansible	■□□□	Introductory use for configuration management
RabbitMQ, Logstash, Elasticsearch	■■■■■	Responsible for deployment, configuration, & maintenance
Prometheus, Grafana, Graphite	■■■■■	Configuration of these core monitoring tools
AWS DMS, Redshift	■□□□	Initial steps into big data management
Kubernetes	■□□□	Set it up using Kops with some subsequent management
Jenkins	■□□□	CD pipeline to aforementioned K8S
Linux	■■■■■	Debian, Ubuntu, Slackware (installed from 20 disks)
L ^A T _E X	■□□□	This document

Professional Experience

2017–today	Senior DevOps Engineer The Mobility House Munich, Germany <i>The Mobility House is a young and dynamic technology company whose goal is to drive on the transition to the use of sustainable energy sources.</i> Working at The Mobility House has, thus far, afforded me the opportunity of working on a variety of projects - delivering value through the use of AWS tools such as CloudFormation, Elastic Container Service (Fargate), and others. Full continuous delivery involves GitHub, CircleCI, Docker, CloudFormation, and Fargate. Further tools in the stack include SaltStack, RabbitMQ, Logstash, Elasticsearch, Prometheus, and Grafana (deployed with CloudFormation on ECS Fargate with an RDS backend.) In early 2020 I was made team-lead for the Cloud Infrastructure/DevOps team.
2013–2017	Senior Systems & DevOps Engineer wiGroup Cape Town, South Africa <i>wiGroup creates transactional software products that enable consumers to connect with businesses and brands. Using Loyalty & Rewards and mCommerce technologies wiGroup is changing how consumers shop.</i> Working at wiGroup allowed me to expand my skills from systems administration to DevOps engineering and to migrate a terrestrial architecture to a cloud-base one. Ultimately, I became the competency lead for the DevOps team. In more detail, the technologies I used and the roles I performed were: <ul style="list-style-type: none">• MySQL - administration, replication, stored procedures, trouble-shooting• AWS data services such as RDS, Data Migration Service, Data Pipeline, and RedShift• General AWS technologies• Python scripts to interact with PagerDuty, Slack, PushBullet, and bespoke REST and SOAP APIs• Python/SQLAlchemy for ETL• Contribute to the architectural design of DevOps solutions• Manage the standardisation of tools and processes used to achieve DevOps• Management oversight of root cause analysis for pre-production and production environments• Partner with cross functional teams to execute short and long term product delivery strategies• Manage Amazon Web Services including configuration and deployment of required infrastructure, administrative tasks, and budgeting• Ensuring application deployments to AWS and Data Centres are performed reliably and repeatedly through the use of advanced scripting and tools

	<ul style="list-style-type: none"> • Contributing to the DevOps team's configuration and deployment toolkit - e.g. Ansible, Fabric, and CloudFormation • Ensuring optimal application performance and functional monitoring as well as upgrade management • Testing of Software services (e.g. APIs with SoapUI/Postman) and infrastructure during deployment • Ensures the client solution build, deployment and enhancements are delivered on time and to specification both within the initial release and in all subsequent releases • Working closely with Project Managers, Solution Architects, Testers, Analysts, and Developers
2011–2012	Technical Specialist Praekelt Cape Town, South Africa
2010–2011	Consultant Catalytiq Cape Town, South Africa
2006–2010	Consultant Systems Engineer HiredGnu Cape Town, South Africa
2000–2005	Senior Systems Engineer Thawte World of Trust - A VeriSign Company Cape Town, South Africa
1997–2000	Senior Systems Engineer Thawte Consulting Cape Town, South Africa

Education

1994–1998	BSc in Computer Science University of Cape Town, South Africa
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Courses

2017	ITIL Foundations Online & exam
2013	Computing for Data Analysis (Using R) Coursera
2011	Introductory Project Management Coursework & exam
2011	Licensed ZapThink Architect (Service Orientated Architecture) Coursework & exam <i>(ZapThink is now Dovel Technologies)</i>
2003	Advanced Hacking Coursework (SACS (sacs.co.za))
2002	(ISC)² CISSP (Lapsed) Exam
2002	CISSP Boot Camp Coursework (SACS (sacs.co.za))
2001	Firewall-1 CCSA Course Coursework (Didata Training)
2001	Firewall-1/VPN-1 CCSE Course Coursework (Didata Training)
2000	Sun Solaris System Admin 2 Course Coursework & exam (CS Holdings)
2000	Sun Solaris System Admin 1 Course Coursework & exam (CS Holdings)

Languages

English	Fluent
Afrikaans	Fair
German	Absolute Beginner