

# RUSSELL GROVES

## Linux Systems Administrator

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## EXPERIENCE OVERVIEW

### Linux Systems Administrator & Murex Engineer

#### Elenjical Solutions

📅 April 2019 – Current

📍 Sandton, Gauteng

- Provide enterprise Murex (MX.3) support for Rand Merchant Bank & Momentum Metropolitan. Serve as the last line of escalation for all Momentum Murex environments.
- Run POC's internal to Elenjical Solution which tests the viability of new technologies. Successful POC's include using Apache Airflow for workflow management, using AWS managed services to "replatform" Murex environments and using the Elastic Stack for data visualisation and insights.
- Conduct interviews and assess technical assessments returned in by applicants as part of Elenjical Solutions' hiring process for the Infrastructure team.
- Attend training and seek out courses to keep abreast of technologies in the Cloud space and how they pertain to the Financial sector.
- Headed up a year-long project whereby we did a major Murex version upgrade (from v3.1.28 to v3.1.41) for Momentum and moved all Development and Production environments from on-premises into The Cloud making use of AWS Infrastructure.
- Provide day-to-day support for Momentum's Oracle Databases making use of AWS's RDS managed service.
- Manage every technical aspect of Momentum's Murex environments from provisioning of environments to allocating resources, ensuring good health of environments and ensuring stability in Production.
- Consult with clients and potential clients on how they can better utilise Cloud technologies and build bespoke product solutions when needed.
- Develop processes that get used day-to-day such as creating twice-daily backups of Production which restore to Development environments for daily support queries. All code is bespoke, tailored to the client and must be written in either pure Base or Python.
- Ensure clients are using the best technology possible to get a task done with improved reliability.
- Act as a liaison between Murex and the client to expedite the resolution of issues.

### Linux Systems Administrator & AI IT Automation Expert

#### Cruze Control Technologies / Arago GmbH

📅 November 2018 – March 2019

📍 Sandton, Gauteng

- As the South African Support Team Lead, I provided L2 support to large global companies for a clustered Java based general automation engine called HIRO.
- I focused specifically on the Linux implementation of HIRO and related Linux software which, for a cluster install, spanned many VM's running either Red Hat or CentOS using many "Big Data" softwares from Apache.
- Tasked with implementing many POC's to explore how we could alter HIRO's underlying software (Cassandra, ZooKeeper, Kafka, etc) and infrastructure (AWS) to perform better, carry out migrations, adding datacentres to the architecture, etc, all of which were fully documented.
- Liaised directly with clients to develop bespoke configurations for HIRO to tailor the product for their needs and ensure all expectations were met.
- Made extensive use of Bash and Python to automate processes pertaining to the monitoring and administration of HIRO.
- Created extensive documentation regarding every process, POC, installation, etc, ever undertaken to contribute to the internal Knowledgebase and to better train Support staff on how HIRO and related components operate with one another and their environment.
- Answer ZenDesk tickets, submit bug reports on JIRA and escalate issues about to breach SLA to developers and senior staff.
- Maintained multiple test environments spanning multiple HIRO versions, 20+ environments and various OS versions to ensure we have a good baseline environment to which all Customer environments must be benchmarked against.

## EDUCATION

### Matriculated with Exemption

#### Kingsway High School

📅 2008

### I.T Networking

#### Varsity College

📅 2009 – 2010

- CompTIA A+
- CompTIA N+
- CCNA
- CCNP

### BSc. Science in Computing

#### UNISA

📅 2014 – Year 3 remaining

### Architecting on AWS

#### Torque-IT

📅 2019

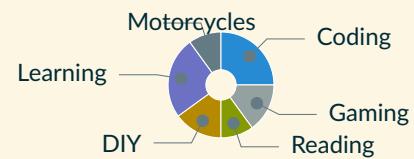
## ATTRIBUTES

Hard-working    Autonomous  
Driven    Team Player    Leader  
Motivator    Autodidact  
Determined    Goal-Oriented

## TECHNOLOGIES

Bash    Linux    Python    Docker  
JavaScript    Arduino    AWS  
Oracle    CloudFormation    CI/CD

## INTERESTS



## COMMUNITY

- Operate servers and develop systems for the rsa.tf community: [github.com/rsatf](https://github.com/rsatf)
- Contribute to open-source projects whenever possible.

## General Manager

**Argotek**

📅 March 2016 – November 2018

📍 Amanzimtoti, KwaZulu-Natal

- Helped the company enjoy a 50% growth year-on-year for 3 years in a row.
- Liaised with clients ensuring we fulfill their needs and consulted on their upcoming and ongoing projects.
- First point of contact for all incoming work. Developed a custom database to track jobs, deliveries and invoicing. Performed QC on all work before delivery.
- Principal PowerMill CAM user, turning either in-house made models or customer supplied models into G-Code for the CNC Milling Machine.
- Consulted with customers to help leverage Mechanical Engineering and Design to help improve their products, workflows and service delivery options such as designing and implementing an automated packing robot at a well known food packaging company which allowed the packaging line to be run at a higher rate leading to doubling their output and expanding their market share.
- Personally trained each employee to ensure they had the skills required to read technical drawings, program various CNC machines as well as work the manual conventional lathe and milling machine and taught them how to weld.
- Headed all tender applications with government entities, did site visits and ensured our codes, standards and compliances were on par with what was required in order to secure said tenders.
- Managed each employee individually to ensure they were taken care of and their professional needs were met in order for the company as a whole to operate smoothly as a unified team.
- Personally capable of operating every piece of machinery in the workshop so that I could fill any gap that may arise depending on current customer demands.

## Automation Specialist

**IntelloHome**

📅 January 2015 – March 2016

📍 La Lucia, KwaZulu-Natal

- Managed and lead a close-knit team that saw home automation projects go from concepts to breaking ground, laying cable, installing hardware and programming the home or office.
- Monitored and managed client-side Linux-based hardware to ensure maximum uptime and optimal performance.
- Developed bespoke Control4 drivers in Lua that runs on Linux embedded hardware - The only person in SA to do so.
- Did R&D on a wireless controller and software that could control electric motors over RF for physical automation purposes.

## CEO & Founder

**Lumabyte**

📅 October 2012 – January 2015

📍 Amanzimtoti, KwaZulu-Natal

## Intern/Apprentice

**Basil Read Rally Team**

📅 February 2014 – July 2014

📍 Shakas Rock, KwaZulu-Natal

## First & Second Line Support Technician

**Auckland Micro Limited**

📅 November 2011 – December 2012

📍 London, United Kingdom

## First Line Support Technician

**System Consultants**

📅 February 2011 – November 2011

📍 Pinetown, KwaZulu-Natal

RUSS(1) Russell Groves

### DETAILS

Russ - Russell Groves  
Created - 21/03/91

### SYNOPSIS

russ [options] [command\_string]  
russ [options] [regex\_pattern]

### DESCRIPTION

russ is a tool for administering, deploying and testing various UNIX tools and systems.

russ is suitable for long running jobs and can operate as a daemon using the -d flag.

### OPTIONS

All of the following options can be composed together to fit your needs.

-r remote mode.  
-i interactive mode.  
-l designates as team lead.  
-t can be used to teach.  
-c highly collaborative.

### INVOCATION

To invoke russ simply make a call to 074 144 6091 or drop an email to russell-groves@gmail.com and a response will be given shortly thereafter, no need to push the process into the background.

### COMMENTS

russ is a learning process and operates best in environments where there are plenty of learning opportunities.

### EXTRAS

russ can handle any conceivable extra optional parameters, just append them to the command and watch how the russ program handles them.

Refer to SEE ALSO for russ usage examples.

### SEE ALSO

email(1), linkedin(5), github(6)

RUSS 18/07/20 RUSS