

# Daniel Kreling

*System Engineer*

## SUMMARY

- 7+ years of experience with Linux (in-depth skills);
- 3+ years of performing technical and people's leading activities;
- 4+ years experience with programming languages (Python, Bash, Javascript, Java, C);
- 2 years of experience with automation process and Robot Framework;
- 7+ years of experience with development tools and processes (Git, Gerrit, Jenkins, Bugzilla, Jira, Maven, and related);
- 2+ years of experience working as Support Engineering for a storage kernel device driver;
- 2+ years of experience with Cloud and virtualization technologies (Docker, AWS, Google Cloud);
- Strong background in Psychology, with formal qualifications;

Currently working as a Build and Release Engineer responsible for an end to end build process of JBoss's LTS product releases. Also experienced as a Test Automation Engineer, with a leadership role on part of the test team. Also worked as an Embedded Linux Engineer using Yocto, Jenkins and RobotFramework. Previously worked for large companies such as IBM and Bosch as a software engineer (product maintenance) and programmer.

## EXPERIENCE

### Build and Release Engineer, Red Hat Czech, s.r.o.

Brno, Czech Republic — August, 2019 - Present

#### Role: **Developer and Automation Engineer**

Comply with the building and release procedures for the LTS versions of the product, released every 6 or 7 weeks. The work also includes providing the built images for the product for the OpenShift platform. Also perform mentoring and coaching of new team members joining the team.

### Embedded and Automation Engineer, Test Team Lead, Daitan Group

Campinas, SP, Brazil — July, 2017 - July, 2019

#### Roles: **Developer and Automation Engineer, Test Team Lead**

Role of Embedded Software Engineer (maintenance) for a short time using technologies including Yocto, C, Python, JavaScript, Bash, HTML and CSS. For version control, Git and GitHub. As an Automation Engineer, automate a series of manual test suites with the Quality Assurance team, using technologies such as Robot Framework and Jenkins as tools for automation and CI/CD. At a later stage, the role for Team Lead of a web application was an evolution of the leadership role being presented in the previous projects, and included leading developers to comply with the automated test code requirements. The role also required leading initiatives towards the tests infrastructure (Jenkins pipelines running in AWS environments).

### Python Developer, Bosch

Campinas, SP, Brazil — May, 2017 - July, 2017

#### Role: **Python Developer**

The role consisted in developing an application to integrate hardware and a message queue service in a cloud level, from the ground up. The application consisted in heavy file manipulation, such as translating file names, reading and writing contents, and connecting to the message service to receive/send messages to/from subscribing microservices. The project includes strong notions of Python, C, Internet of Things, Git, Messaging Services (e.g. RabbitMQ) and documentation.

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## Software Engineer, Linux Technology Center, IBM

Hortolandia, SP, Brazil — 2012-2017

### Project: Power I/O Device Drivers (2 years)

#### Role: Support Engineer

Regression and FVT tests of iprutils (an open source userspace application for controlling the kernel device driver for IPR, a disk storage driver). The code written in C and tasks included searching and backporting upstream patches, implementing new features (such as an sosreport tool and support for GPT for Power Systems). Bash scripting was highly used for test automation and systems configuration tasks. Daily activities as a distributed team, with teammates in the US, Brazil and India. High amount of effort was put into configuring remote systems in terms of Operating Systems installation, networking and dependencies, using technologies such as LPAR partitions and more recently, KVM.

### Project: Software Development Kit for Linux on Power (SDK)

#### Role: Java/Python Developer

The role comprised development of performance and migration tools from scratch to replicate the behavior of some Eclipse plugins. The new tools were developed in Python 2.7 and included heavy scrum sessions and design discussions with the Brazilian and American team sides. I was also responsible for leading the creation of test environments for the team. Knowledge of network and firewall configuration, system and packages updates and system administration were essential.

## Intern/Trainee of International Relations Office, Genesee Community College (GCC)

Batavia, NY — Sep. - Dec., 2011

Leading official international documentation translations as part of the international Agreement between of American GCC and Brazilian FATEC Community College at the time, as well as proactively advocating for it. That included performing a series of workshops in order to broadcast the Agreement and motivate Americans to get on board the program.

## EDUCATION

### FATEC - Centro Paula Souza

Americana, SP, Brazil— 2010-2013

Bachelor's degree in 'System Analysis and Information Technology' (later called Game Development) with focus in Programming.

### USP - Universidade de São Paulo

Ribeirão Preto, SP, Brazil— 1998-2003

Bachelor's degree in Psychology.

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