

# Joel DE GAN

## Site Reliability Engineer | Coder - Python

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📍 Portland, OR  
👤 Technologist, hiker, artist, writer



Joel's background is in designing infrastructure from the ground up for startups and fast-growing established companies. He brings twenty years' experience managing explosive growth and big data at scale, all with a focus on reliability. His confident, detail-oriented experience stems from multiple industries and backgrounds, providing a well-rounded and thoughtful approach to challenges and leadership. Joel hiked the Pacific Crest Trail in 2014 and is an artist and author.

## COMPETENCIES

Coding	Python, Java, Golang
Databases	MySQL and variants, PostgreSQL, various key-value DBs
Development	IntelliJ Idea, Eclipse, <b>Visual Studio Code</b> , git
Operating systems	Linux, Mac OS X
Orchestration	Kubernetes and Docker - Terraform, Ansible, Airflow
Others	FPGA (Xilinx, PYNQ), arduino/rpi, AI Python tools : Pandas, scikit-learn, torch, shap, seaborn

## EXPERIENCE

Current August 2018	<b>LinkedIn   Senior Site Reliability Engineer, SRE, Sunnyvale CA - Portland OR / Hybrid</b> At LinkedIn on the Media-SRE team, we launched the infrastructure powering all images, video, live video and documents for LinkedIn worldwide, which handle a sustained 2M QPS. Media-SRE work with three teams of 20+ developers to maintain the stability of, and defensively scale, all media platforms processing and serving media artifacts for our 850M members. The SRE role involves working as an individual contributor empowered to develop, lead and organize impactful changes in capacity planning, automation of deployments and upgrades, disaster recovery, code-reviews, tool building and detailed experiments and tests of new features, all with extensive monitoring and alerting. <span>pandas</span> <span>Apache Kafka</span> <span>Java</span> <span>Python</span> <span>AWS</span>
March 2018 August 2018	<b>Westrock   Senior DevOps Engineer, DEVOPS, Atlanta GA</b> As a Senior DevOps engineer at Westrock I was the point person on the team for the company cloud initiative and was consulted for tools and cloud methods by various teams (or, centers of excellence, CoE's) within the company. I worked with several teams of data engineers to streamline their code and data ingests of automated tools for mill profitability and enterprise sales data. We used a mix of Jenkins and AWS data pipelines to orchestrate spark and sqoop jobs in EMR. <span>Spark</span> <span>Python</span> <span>Jenkins</span> <span>AWS</span> <span>Sqoop</span> <span>EMR</span> <span>MySQL</span> <span>Docker</span>
October 2015 March 2018	<b>Rx Marketing   Vice President, Technology, VP, Santa Monica - Costa Rica - Venice - Atlanta</b> As Vice President of Technology I architected a custom scalable system of delivery for opt-in email campaigns, auto and home refinance and loans among a variety of marketing pillars connecting over thirty third-party partners. I hired and managed a small team to build out a REST API and systems used for RXMG for millions of contacts and leads per month. This system was 100% in AWS auto-scaling groups using PHP7 OOP (Laravel), Nginx, HAProxy, Docker, Galera Cluster all on Ubuntu. The AWS services used in creation are EC2, S3, SQS, ELB, ECS, SES, R53, ElastiCache, Lambda, Kinesis (for CEP), EFS and RDS-Aurora. <span>AWS</span> <span>MySQL</span> <span>PHP</span> <span>Nginx</span> <span>HAProxy</span> <span>Docker</span> <span>CEP</span>

## SKILLS

Python ● ● ● ● ●  
Linux ● ● ● ● ●  
Java ● ● ● ● ○

## + DRIVERS

- > Leadership
- > Craftsmanship
- > Execution