

Roland Bernau

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Skills & Abilities

- **Processes:** Agile, Kanban, Scrum, Waterfall
- **Languages:**
 - Recent: Python/Bash
 - Previously: Java, Ruby, Javascript/NodeJS
- **CI/CD:** Git, Github, Bamboo, Jenkins, AWS Codebuild, Packer, Ansible, AWS Cloudformation Templates
- **Other:** Containerization, Squid, Linux (CentOS/Amazon Linux/Ubuntu), MySQL, HAProxy

About Me

I want to help other developers succeed, and I value autonomy in the domains where I have expertise. I enjoy automating as many things as possible and the DevOps movement has meant I can be close to the infrastructure side I enjoy the most while empowering developers. Writing code is fun, writing code that describes environments and clusters is where the interesting problems are!

Professional Experience

SENIOR DEVOPS ENGINEER | GLOBAL RELAY (LONDON, UK) | JANUARY 2021 - PRESENT

- Standardized HAProxy configurations, improving maintainability and code quality
- Implemented unit and integration tests greatly improving code coverage
- Automated deployments greatly decreasing time spent deploying each week
- Implemented ansible deployment for legacy Artifactory server, codifying the deployment strategy (and allowing us to create dev/test environments)
- Mentoring Junior Developers
- Collaborating with other teams to achieve business needs

CLOUD ENGINEER | EXPEDIA PARTNER SOLUTIONS (LONDON, UK) | MAY 2018 - MARCH 2020

- Build scalable, secure infrastructure including CI/CD tooling, leveraging Cloudformation Templates and EC2/ECS to facilitate application deployments by engineering teams
- SME with regard to the cloud environments and CI/CD tooling, supporting other engineering teams utilizing our infrastructure (the product)
- Evangelized good SDLC practices within the dev community and built tooling to support it

- Implemented a scalable egress whitelisting solution ([Squid](#)) needed by our division, which was then adopted as part of the Expedia Group-wide common networking platform

RELEASE ENGINEER | EXPEDIA PARTNER SOLUTIONS (SPRINGFIELD, MO) | SEPTEMBER 2016 - MARCH 2018

- Development and maintenance of Release Portal (in-house Release Management API/tool)
 - Moved from PHP to NodeJS API + React UI conforming with the rest of our internal tooling
 - Moved from SOAP to REST
 - Adopted SDLC practices and automated deployment process for the release portal
 - Created a continuous deployment pipeline
 - Ensured that we were following our own rules and best practices as an example to other engineering teams
 - Migrated of service from on-premise to AWS Cloud, then acted as SME to assist other teams in their service migrations (leading to me joining the Cloud team)
- Coordinated with teams to achieve SDLC compliance of their services
- Implemented automation to approve change requests

SOFTWARE ENGINEER INTERN | EXPEDIA PARTNER SOLUTIONS (SPRINGFIELD, MO) | JULY 2015 – SEPTEMBER 2016

- Implemented changes to improve compliance and test coverage of the codebase
- Designed and implemented a caching solution using Ehcache for an unreliable internal API to improve end to end tests
- Designed and implemented an Adapter service built on Tomcat, to facilitate integration between Expedia Partner Solutions products and Expedia Group backend

Education

MISSOURI STATE UNIVERSITY | 2010 - MAY 2015

- Computer Science – Database System Concepts, Data Structures, Algorithms and Advanced Data Structures, Languages and Machines, Internet Programming, Advanced Internet Programming, Introduction to Software Engineering
- Mathematics – College Algebra, Trigonometry, Analytical Geometry and Calculus I, Analytical Geometry and Calculus II, Discrete Mathematics, Statistics for Engineers
- Emphasis in Physics – Calculus based Physics I, Intro. Structure/Logic of Digital Computers