

David Lehuby

DevSecOps Engineering Tech Lead, Salesforce.

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David is a self motivated thought Leader who is passionate about Infrastructure, Open Source, Continuous Delivery Practices and Security. He has worked in multiple industries such as Online Betting (11Y), Property Management App, Charity, and joined Salesforce 3 Years ago. He works remotely in a team distributed around the world

David has over 20 years experience in the Software industry over which time he has gained experience across application development, infrastructure automation, integration, build engineering, security and configuration management. David has also developed skills in Service Management, Audit, Governance Risk and Compliance

He believes that Cryptocurrencies,blockchain and decentralized systems are the building blocks for the 21st Century

Skills

Thought Leadership

- Strong capacity in understanding constraints around delivery processes and defining / implementing solutions to improve processes.
- Solid technical background in Infrastructure, Programming, Configuration Management, CICD, Logging / Monitoring / Alerting and Security
- Soft Skills: People person - Enjoy helping/collaborating with people to get the best outcome. Love learning from others.

Systems and Solutions Engineering

- Long experience on AWS - Deployment of distributed, highly available, secure and auditable infrastructure (Terraform, ansible)
- Passionated by Open Source Technologies (Kubernetes, Prometheus, ArgoCD, Unix systems more generally)
- Focus on Automation and Continuous Delivery Models (12 Factors, GITOPS, CRUD)
- Versioned and Zero Downtime Deployments on Production Environments
- Focus on Security, threat models, Audit, PCI compliance, Cost management.
- Focus on Logging, Monitoring and Alerting (Infrastructure & Applications)

Governance Risk and Compliance

Design audit compliant workflows, elaborate controls. Walkthrough auditors.

Other

- Languages: English, French (Australian & French citizen) -
- Love guitars, open water swimming / Retro Gaming / Programming crypto trading bots

Work Experience

DevSecOps STMS Salesforce - Industries (March 2019 - Current)

Roles and Responsibilities:

Cloud Engineering:

- Designed and implemented Cloud Engineering Logging Solution (Sumo Logic):
 - Log/Metric ingestion from different sources (Kubernetes fluentd/prometheus, AWS)
 - Creation of dashboards based on logs and metrics
 - Alerting (Metrics + Logging → PagerDuty / OpsGenie / Jira service Desk)
- Designed and implemented automated Security Workflows (Cloudtrail, GuardDuty, Checkmarx, Snyk, Code signing, EC2 Security Patching, OAuth2)
- Designed and implemented infrastructure components with Ansible / Terraform following 12 Factors principles
- Refactor infra release workflow from an imperative approach to a declarative and auditable approach (Gitops model)

Service Management:

- Managing budget and quotas with Sumo Logic, NewRelic and AWS Account Executive team
- Quarterly access review prior to SOC2 Audit.

Governance, Risk and Compliance:

- Walkthrough Ernst & Young Auditors, and provide narrative about audited controls
- Collecting evidences for selected controls
- Involved in the controls elaboration
- Educate engineering teams around audit and enforce audit compliance using github actions

Consultant Senior DevOps Lead - Belong (Telco, July 2018 - March 2019)

Roles and Responsibilities:

- Led a team of 4 engineers
- Designed and released an infrastructure for continuous delivery pipelines based on **Kubernetes** and **AWS**:
 - Management + support of 7 streams of work (Digital, Data Analytics, Salesforce, DevOps, Mulesoft, etc...)
 - Each stream runs its own tooling (Jenkins, Nexus, Sonarqube, etc..) on a shared infrastructure
 - Integration with current existing tools for Access and User management (OpenVPN, LDAP)
- Propositions to remediate the current stacks (Applications + Infrastructure + Ways of working)
- Support of the production stack (BAU, Improvement of the monitoring, alerting)
- Advised some strategies to the new CTO regarding the stack remediation and areas of recruitment

Systems Engineer Lead - AssetOwl (ASX, ISO-27001) (June 2017 - July 2018)

Roles and Responsibilities:

- Led a team of 2 Engineers
- Act as Head of Infrastructure and Operations. Report to CEO – Quarterly Reports to the Board
- Designed and released (May 2017) a new architecture of an infrastructure based on **Kubernetes** and **AWS** (Production and Non Production) including:
 - Separation of Production and Non-Production Environments. Isolation of Non-Productions Tools and Envs
 - Migration of AssetOwl applications to Docker based artefacts
 - CI/CD (Define build and release processes, Jenkins & Concourse)
 - Security (Linking the Office Network to the Cloud and Implementing Palo Alto VPN)
 - Monitoring, Logging, Alerting (Prometheus + Grafana, Fluentd, ElasticSearch, Graylog)
 - Database Management (RDS, backup & disaster recovery)
 - Performance (High Availability, Self Healing, Cost Optimisation)
- Service Management (Licences, Devices and Accounts Management)

Solutions Engineer - Sportsbet (Gambling Ind., March 2014 - June 2017)

Roles and Responsibilities:

- Involved in the creation of a Solutions Architecture and Engineering team that were commissioned to model out a new devops way of working at Sportsbet. (Delivery Processes)
- Heavily involved in the Architecture of the Sportsbet Services Strategy (Services Foundation, Microservices, Queuing Systems (RMQ) & DB (PostgreSQL & INFORMIX))
- Design and maintenance of On Premise delivery pipelines: (On premises ~ 70 Sportsbet Services involved – Java & NodeJS based)
- Automating configuration of application infrastructure (Puppet)

Tools: Infra: VMware. **Config:** Puppet / Ansible. **Packaging:** RPM / Docker. **CI:** Bamboo / Jenkins. **Networking:** F5. **CVS:** Git. **Others:** Vault, Consul, Checkmarx, Gatling, etc.

Web / Software Developer - Paddy Power PLC, Ireland (Gambling Ind., Feb 2007 to Feb 2011) and Sportsbet (Feb 2011 to March 2014)

As a part of the web development team and then software engineering team, I was involved in releasing the user interfaces for the desktop sites, releasing the mobile and tablet client for Sportbet. I was also heavily involved in the performance remediation of our previous stack: 6 months project to support the load of Spring Carnival.

Teaching (2005 to 2006)

- **University of Paris 8, France (Oct 2005 to April 2006)**
David has taught HTML & CSS to 50 University students: Analysis of all HTML website tags, creation of standard static websites and specializing in adding disability options to web sites and optimizing hit rates from search engines.
- **EPITA (School of computer engineer), France (Jan–April 2005 – Trainer)**
Introduction to web design using the following languages : HTML, CSS, PHP

Freelance agency work, Paris (2003 to 2006)

Design, creation and development of various multimedia websites including:

- France Libertés: Human Rights International organization working for the respect and promotion of human rights
- Investment Forum in Mali: World Business convention of Entrepreneurs in Africa International Center of Conference of Bamako, Mali

Education

2006 - Master of Digital Creation & Publishing

University of Saint Denis – Paris 8, France– 1st Class Honours

Two years of advanced studies including management of web projects, Mathematical algorithms, programming, graphics (creation of visual identity), 3D, Sound Design, History of the media.

2004 – Multimedia Bachelor Degree

University of Jussieu – Paris 7, France– 1st Class Honours

I have studied the techniques of design and creation of websites and multimedia projects management. This included design and the creation of bitmap images and vector drawing, creation of static and dynamic websites using PHP, ecma scripts, design and creation of interactive multimedia applications (CDROM and Web). My studies also included the commercial and legal requirements of websites and other new media of communication.

2002 - IT Diploma - D.U.T Service and communication networks

University of Saint-Lô, France

Two years studying economics of multimedia, marketing, LAN & WAN networks, Algorithmic programming, Databases, Theory and practice of communicating information and services on networks.