



# ROY LINDAUER

## LOCATION

Reno, NV, USA

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## CERTIFICATIONS

- AWS Certified Solutions Architect - Associate

## PATENTS

- User defined scenarios in a three dimensional geo-spatial system - US 12/245,562

## NOTABLE ACHIEVEMENTS

- Shrank software release lead time from 3 months to 1 week, improved stability, and reduced mean time to recovery from days to hours
- Led critical project recoveries, improving performance, delivering promised features, and saving the company from potential lawsuits and client dissatisfaction
- Built tooling to support mono-repo strategies, enhancing code organization and deployment consistency
- Re-platformed a legacy system into a scalable, highly available architecture using Docker, CI/CD pipelines, and cloud infrastructure
- Organized a technical book club and served as lead organizer for a local Linux Users Group to promote continuous learning and community engagement
- Recognized with multiple awards for graphic design excellence early in my career

*Always learning, always building.  
Outside of work, I enjoy reading,  
drinking coffee, experimenting with new  
technologies, and connecting with the  
local developer community.*

# Crafting Scalable, Maintainable Software and Elevating Engineering Practices

## INTRO

Experienced and versatile software engineer with over 20 years of expertise spanning software development, DevOps, and web engineering. Strong background in architecting scalable systems, modernizing infrastructures, and optimizing development workflows. Currently evolving in technical leadership and mentorship, with a focus on fostering innovation, quality, and continuous learning.

## TECHNICAL EXPERTISE

**Software Development:** Extensive experience with Ruby on Rails, PHP, and modern JavaScript frameworks (React, StimulusJS) for building scalable web applications

**Infrastructure & Automation:** Proficient with Docker, Terraform, Ansible, AWS, and Linux systems for deploying, configuring, and managing infrastructure as code

**DevOps & CI/CD:** Hands-on with CI/CD pipelines (CircleCI, GitHub Actions), container orchestration, and continuous delivery best practices to improve deployment speed and stability

**Monitoring & Observability:** Implemented ELK Stack, Nagios, Sentry, BugSnag, and other monitoring tools to provide real-time visibility and performance insights

**Collaboration & Mentorship:** Guided junior developers and contributed to process improvements, fostering learning and growth

**Process Optimization:** Experience with streamlining development workflows, reducing deployment risks, and improving system reliability

## EXPERIENCE

### **Freelance Developer (Various Projects)**

2010-current

- Continuously engaged in client and personal projects, focusing on scalable web applications, infrastructure automation, and process improvements
- Delivered production-ready solutions using Ruby on Rails, PHP, and JavaScript frameworks
- Explored and applied new technologies in real-world scenarios, contributing to hands-on learning and keeping skills current

### **Associate Technical Director -> Noble Studios**

Remote 2023-Current

Noble Studios is a creative digital performance marketing & web development agency

- Architected and lead development of a CRM integration WordPress plugin to sync data from multiple sources into the clients website to be used as content
- Architected and developed theme and plugin development environment starter kits for the development team to improve overall development time and quality
- Lead initiative to audit and provide detailed recommendations for improving the companies web-development processes. The process involved stakeholder meetings, data collection, and resulted in a web-development life-cycle handbook to help steer the development team towards becoming a high performing organization in the next few years
- Lead migration towards a more modern agile approach to task management, working hand in hand with the project management and development teams to identify pain points in the current processes and how to map plan-based work into a more flexible workflow
- Rewrote an old laravel app that is responsible for managing synchronization between HubSpot and the companies sales team to make it testable, easier to deploy, and easier to develop for
- Lead initiative to develop a monitoring & observability layer to provide developers with fast feedback on the performance of their

work, but also to enhance the value of the maintenance programs provided to clients

- Managed direct reports and guided their professional development.

### **Senior DevOps Engineer -> Blackbird Logistics**

Reno, NV/Remote 2018-2022

Blackbird Logistics is a logistics and technology company that provides software solutions for wholesale and retail cannabis operators.

- Implemented Docker-based SDLC.
- Built and maintained CI/CD pipeline with Ruby and CircleCI.
- Managed AWS accounts and AWS infrastructure as code (IaC) via Terraform and Ansible. Specifically used Terraform to manage AWS ECS EC2 and Fargate Clusters, AWS Cloudfront Distributions, AWS S3 Buckets, AWS IAM Roles, Users, and Groups, AWS RDS Instances, AWS ElastiCache Clusters, AWS VPC and related networking services, AWS SNS, AWS Config, AWS Cloudwatch Alerts, and AWS VPC Peering Connections for connecting 3rd party MongoDB services.
- Created Ansible playbooks and roles to provision Elastic Stack (ElasticSearch, Logstash, and Kibana) servers, OpenVPN servers, Rails App Servers, Utility Servers, and to deploy some Rails applications.
- Reduced AWS costs by 75% through service consolidation, performance and scaling improvements, and set best practice on building better applications.
- Led the transition from a high-risk multi-hour deployments every 3 months to daily low-risk sub 1-hour deployments, resulting in improved release stability, reduced recovery time, and stable daily code delivery.
- Led the re-platforming from DigitalOcean to AWS, including containerization of the software and training of engineering team to adopt new processes.
- Created CLI tools with Ruby and Rake to build, test, and deploy production quality docker artifacts.
- Developed a devops control plane using Ruby on Rails and VueJS.

- Supported software team by contributing to bug fixes and patches for the companies primary Ruby on Rails, PHP, Laravel, and Go Lang product offerings.

### **Senior Web Developer -> Noble Studios**

Reno, NV 2012-2018

Noble Studios is a creative digital performance marketing & web development agency

- Created project scopes and project specifications.
- Architected and developed websites and applications across multiple industries including Travel & Tourism, Health & Wellness, Higher Education, and B2B and E-commerce.
- Architected and maintained Linux based web hosting infrastructure using Chef, Bash, Packer, and Nagios.
- Built and maintained build automation and tooling using Jenkins, Bash, and PHP.
- Mentored junior engineering staff.
- Architected and supported docker based development workflows.
- Architected, and Developed many WordPress & Drupal websites, as well as various custom Themes and Plugins using PHP and Javascript.

### **Partner/Engineer -> Lab Analytix**

Reno, NV 2011-2012

Lab Analytix is a software development company that builds ERP software for the mining industry

- Developed enterprise resource planning (ERP) software using PHP and NodeJS for the mining industry that included software to interface with network connected hardware to assist lab technicians in collecting data from samples.

### **Senior Web Developer -> Exyst, Inc.**

Carson City, NV 2008-2011

- Developed applications using Adobe AIR.
- Developed high quality e-commerce and B2B web sites and applications with PHP.
- Maintained and supported Linux based web hosting and email infrastructure.

### **Web Developer/Graphic Designer -> Noble Studios**

Carson City, NV 2005-2008

- Designed and developed websites for e-commerce, B2B, and the local business community using PHP, Javascript, various PHP based CMS's, and Adobe Flash.
- Developed Flash applications for clients such as Autodesk.
- Managed Linux based web hosting infrastructure.
- Created award winning websites, logos, and related marketing material.

**Web Developer/Web Designer -> Great Basin Internet Services**

Reno, NV 2004-2005

- Designed and developed websites for e-commerce, B2B, and the local business community using PHP, Javascript.