

 **CARSON R. COLE**

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Summary

Principal software engineer and manager with a specialization towards team-leading Ruby on Rails web applications—from architecting to developing, to rollout and ongoing management. Accomplished record of re-engineering applications for improved workflows, more efficient structures enabling rapid feature development, and lower costs. Surmounted challenging goals of migrating monolithic structures to service-oriented architectures, achieved application migrations between cloud service providers, and overhauled devops systems with new continuous integration and deployment tools. Proven record of building and managing global remote teams, with numerous industry contacts enabling for fast team building and short application time-to-market.

Experience

SENIOR LEAD ENGINEER, GRADE.US; BELLEVUE, WA – APRIL 2018-PRESENT

Lead engineer for global team of 10 senior developers on this Ruby on Rails SaaS application, directly sourcing senior engineers from personal contacts, and responsible for the day-to-day support of this application, implementing improvements to the team's workflow, and proposing/developing a system status application (<https://status.grade.us>), overhauled devops to utilize Heroku Review Apps and improved utilization of JIRA. Currently rebuilding the billing system, improving integration with Salesforce, and initiated efforts to break apart existing monolithic structure to multiple micro-services, initially focused on online review acquisition and billing.

PRINCIPAL ENGINEER, LEVERAGE.LAW (GALLO DIGITAL); SAN RAFAEL, CA – 2017-2018

Re-engineered this single-tenant SaaS Ruby on Rails application to a multi-tenant application with fully-automated CI on AWS, reducing costs by 85% (\$16,300 => \$3,000 monthly). Designed and implemented a more secure application within a VPC architecture and also eliminated extensive use of 3rd party services that allowed for security vulnerabilities. Redesigned databases to be more redundant, secure, and allow for point-in-time recovery.

SENIOR ENGINEER, WELLTHIE INC.; NEW YORK, NY – 2016-2017

Senior engineer on four Ruby on Rails applications, completing feature design and development work. Responsible for managing issues supporting enterprise customers.

DIRECTOR OF ENGINEERING, FOUNDER, NUKU INC.; SEATTLE, WA – 2010-PRESENT

Founded and principal-engineered this Ruby on Rails-based investment management firm, into a 19 micro-services-backed infrastructure. Managed global team of 8 engineers. Principal engineer behind the firms' investment decision-making engine, trading and accounting applications, a network of 14 individual API-driving micro-services. Successfully migrated complete architecture from Amazon AWS to Digital Ocean in less than 30 days with zero downtime.

PRINCIPAL ENGINEER, FOUNDER, KOMODOPOST; SINGAPORE – 2006-2009

Founded the company and lead designed and developed this Ruby on Rails-backed application.

PRINCIPAL ENGINEER, FOUNDER, DEBTTRADERS INC.; NEW YORK, NY/HONG KONG/LONDON – 1999-2005

Founded this broker-dealer and built it into a 150-employee global operation with offices in New York, London, Chicago, and Hong Kong that became the largest independent dealer in junk bonds internationally, with annual trading volume exceeding \$13 billion in its second year of operation. Designed and developed the infrastructure and software that supported all trading and accounting.

Education

University of New Hampshire – Business Administration, 1989

Skills

Framework: Ruby on Rails; Databases: PostgreSQL, MySQL, Redis; Cloud: AWS, Heroku, Digital Ocean; Devops: Ansible, Review Apps (Heroku), Terraform; Microservices: RESTful APIs

References

Dusan Pantelic, Engineer, RubySoft, dusan.pantelic@outlook.com

Jeff Wettstein, Engineer, Leverage, jeff@leverage.law

Dave Cole, Engineer, dcknockin@gmail.com

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