

Rod Christiansen

Infrastructure Solutions Architect

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Infrastructure architect who builds platforms and leads the teams that run them. Twelve years at a university, from frontline Mac support in 2014 to building its Mac fleet's cloud platform on AWS from 2018, leading the Mac and Windows devices team onto an Azure platform defined as code from 2024, and now architecting the university's cloud infrastructure and data platform. Every piece defined as code and shipped through reviewed CI/CD pipelines, secretless by design, and where the tools a fleet needs don't exist, building them and releasing them as open source.

EXPERIENCE

Emily Carr University of Art + Design

Vancouver, Canada · 2014 – Present

Infrastructure Solutions Architect — Aug 2026 – Present

- Architecting the university's cloud-native infrastructure with integration between systems at the core, so a change made in one place reaches everywhere it needs to.
- Building its data platform on AWS and Azure: a governed data lake fed by the institution's source systems, certified metrics defined as code, one API every app and dashboard reads through, a portal where staff request data and track it to delivery, and privacy controls from the first line.
- Defining all of it in Terraform, delivered through reviewed CI/CD pipelines with agentic workflows built in.

Devices Administrator Lead — Feb 2023 – Jul 2026

- Led the cross-platform devices team for 1,000+ Macs and PCs and moved it to Git-driven operations: every change reviewed in a pull request and deployed by a pipeline.
- Built enrollment orchestration on Azure Functions that pushes every inventoried device into eight systems, including Apple School Manager, Intune, Autopilot, Entra ID, Munki and Cimian, replacing manual data entry and retiring devices automatically.
- Turned Mac software management into reviewed CI pipelines, from AutoPkg ingestion through signing, notarization and catalog promotion, across 1,388 package definitions, 832 manifests and 185 configuration profiles.
- Rewrote Cimian, the open-source Windows software deployment tool, from Go to C# and .NET with a self-service app. It delivers 846 package definitions across five catalogs, alongside 85 Intune policies kept as YAML and deployed through Microsoft Graph by CI.
- Built ReportMate, an open-source osquery-based reporting platform for Mac and Windows with Terraform for Azure and AWS; it replaced MunkiReport and reached 778 reporting devices in nine months.
- Led the Mac fleet's move from MicroMDM to Intune, with Apple School Manager tooling that reassigns devices on schedule and 210 packages gated by management state, so no Mac needed reimaging.
- Built the team's Azure platform from March 2024, with cloud and identity infrastructure declared in Terraform across 13 resource groups and 11 Entra ID app registrations, with single sign-on and cost reporting.
- Extended the Snipe-IT asset system with procurement automation (vendor order intake, lease sync, fiscal-year lease-end schedules and PO budget carry-forward) and ran the annual device refresh and its vendor relationships.
- Built zero-touch setup and fleet tools, BootstrapMate, FleetMate, cimian-pkg and csharpDialog, and released them as open source.
- Wrote and maintained the department handbook, about 1,090 pages of architecture, operations and procedures, and mentored technicians in Git, PowerShell and infrastructure as code.

Apple Systems Administrator — Jun 2017 – Jan 2023

- Built the Mac fleet's cloud platform on AWS: MicroMDM on Ubuntu in 2018, MunkiReport in 2019, and Munki software delivery behind CloudFront in 2020, defined in Terraform, so remote teaching ran on with no re-architecture.
- Ran Munki software deployment with 120+ packages across EC2, RDS, S3, CloudFront and Lambda.
- Moved the fleet from monolithic imaging to thin provisioning with 100+ configuration profiles.
- Wrote the 150-page internal handbook and the documentation standards behind it.

Mac Admin Support Tech — Jun 2014 – May 2017

- Supported and administered Macs across campus, and started the automation that grew into the fleet platform.

Syndeavors

2026 – Present

Systems & Solutions Architect — Jul 2026 – Present

- Architecting the company's systems on Salesforce: client and staff portals on Experience Cloud with Apex APIs and Lightning components, a CRM and project-management system, and Marketing Cloud.
- Designing the integration layer on MuleSoft, with document-parsing pipelines and connectors to accounting systems.

- Building data pipelines and Tableau dashboards on Data Cloud, delivered where the team works, in Slack.
- Defining the infrastructure in Terraform across Cloudflare, Anypoint and Entra ID, shipped through GitHub Actions.

MacInHome Consulting

Vancouver, Canada · 2012 – 2014

Apple Mobile Consultant

Feb 2012 – Jun 2014

- Set up, supported and simplified Apple devices and workflows for small businesses and professionals.

SKILLS

Cloud

Azure, AWS, Cloudflare, Salesforce

Infrastructure as code

Terraform, GitHub Actions, Azure Pipelines, Docker, GitOps

Endpoints

Intune, Autopilot, Munki, Apple ADE, MDM, osquery

Identity and security

Entra ID, SSO and OIDC, Workload identity federation, Managed identities, Key Vault, WDAC

Data and integration

Microsoft Graph, REST APIs, MuleSoft, Data lakes, Tableau

Languages

Swift, C#, Python, TypeScript, Go, PowerShell, Bash

Leadership

Team lead, Mentoring, Procurement, Vendor management, Documentation

TALKS

Zen and the Art of Managing Windows the MacAdmin Way

MacDevOps YUL 2026

Munki DevOps with Git and CI/CD Pipelines

MacDevOps YVR 2025

EDUCATION

BSc, Civil Engineering

Mackenzie University, São Paulo · 2005 – 2010

Diploma, Business Administration

Capilano University, Vancouver · 2011 – 2012

LANGUAGES

English, fluent

Portuguese, native

OPEN SOURCE

Cimian — Managed software deployment for Windows: MSI, MSIX, EXE, NuGet and PowerShell from a Git-managed catalog, the way Munki works on the Mac.

ASBMUtil — Command line and Mac app for the Apple School and Business Manager APIs: device lookups and MDM assignment in bulk.

Profiles — A library of macOS configuration profiles for real-world system and user settings.

ReportMate — Fleet reporting for Mac and Windows: osquery-based clients, a Python API on Postgres, a React dashboard and native apps, deployed with Terraform to Azure or AWS.

BootstrapMate — Zero-touch provisioning that installs software during Autopilot and Setup Assistant enrollment.

MunkiStudio · CimianStudio — Native admin apps to package, import, edit, lint, commit and deploy Munki and Cimian repositories.

Windows admin tools — Windows ports of Mac admin staples: cimian-pkg, sbin-installer, csharpDialog, StartSet, crypt-escrow and Package Inspector.

Terraform modules — Azure modules for hosting a Munki repo behind Front Door and running MunkiReport.