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BRUNO BRONOSKY

Principal DevOps Automation Engineer and Trainer

ABOUT

Born in the Appalachian mountains of West Virginia to a radio electronics technician, Bruno grew up in coal mining country where most of his classmates remain. He never threw a ball with his father, though they did attend a handful of Cincinnati Reds baseball games. They spent their nights and weekends soldering Heathkit projects from Radio Shack (my first computer was a [Heathkit H89](#)) and writing games and equation solvers in Borland Turbo Basic, then Turbo Pascal, and eventually Delphi. When calling his father in 1995 to tell him Bruno got his first professional programming gig, they both saw this like getting drafted into MLB. Every day Bruno feels like "the luckiest man in baseball" to have escaped the coal mines.

What Bruno does:

- cloud computing: OpenStack Amazon Web Services, Microsoft Azure, Google Cloud Platform, Linode, DigitalOcean, Heroku
- container services: Docker, Kubernetes, Nomad, ECS, EKS
- infrastructure orchestration and automation with Terraform, Ansible, Chef, Argo
- infrastructure and capacity planning
- data center operations
- OpenVPN, SSH tunneling, network security
- troubleshoot network issues
- DBA for DynamoDB, Kafka, Cassandra, MongoDB, CouchDB, PostgreSQL, MySQL
- administer various Unix and GNU/Linux
- administer virtualization hosts and guests
- optimize RAID, swap, cache
- archaeology of code, protocol, process
- manage systems engineers, software developers
- manage vendors, contractors
- manage client SLAs, vendor SLAs
- study complex systems and make them accessible to various audiences
- (review, recommend) application {architecture, code}
- maintain SDLC process
- develop web and mobile applications
- architect {cloud, web, mobile} solutions
- {develop, deploy} {iPhone, Android} apps
- {develop, deploy} {Cordova, React Native} HTML5+CSS3+JS apps
- {audit, deploy} {developer code, data migrations}
- {transform, migrate} data
- audit application code for security and performance

What Bruno is:

- teacher
- strong verbal and written communicator
- excellent troubleshooter, debugger, and problem bisector
- unrepentant command line addict
- ambiguity assassin

WORK EXPERIENCE

Confidential: International Airline
2022 – 2023

Contract: Trainer of DevOps Engineers
Value: >\$10B Employees: >90k

- CI/CD with Harness.io, AWS infrastructure with CDK+CFN, Migration to Github Enterprise from 5 other VCS
- architect and develop an internal ML/AI Software Development Co-Pilot trained on internal code repos to reduce code "re-invention" and time/effort

Confidential: Cyber Security and Biometric Identity Org
2022 – 2022

Contract: Trainer of DevOps Engineers
Value: >\$3B Employees: >10k

- CI/CD with CloudBees/Jenkins and Argo-CD
- software testing with SonarQube, JMeter, and various other tools

Confidential: Financial Services Org
2021 – 2022

Contract: Trainer of Robotics, Computer Vision, and Machine Learning Engineers
Value: >\$1T Employees: >225k

- Robotics R&D, Machine Learning, Computer Vision, Software Development, Network & Physical Architecture, DevSecOps, Linux System Administration
- ROS 1&2 [Robotics Operating System], Dobot CR5, Python, C++

Confidential: Chemical Engineering R&D and Production Org
2021 – 2021

Contract: Trainer of DevOps Engineers
Value: >\$10B Employees: >90k

- CI/CD with Jenkins, SonarQube, JMeter, various software testing tools
- AWS infrastructure and network security architecture
- Architected an internal ML/AI Software Development Co-Pilot trained on internal code repos to reduce code "re-invention" and time/effort

Rooms To Go **Dunwoody, GA**
2018 – 2021

Principal DevOps Engineer

- Direct and train a department of DevOps Engineers and SREs.
- Train developers to follow DevOps & CI/CD processes.
- Architect Hybrid-Cloud and Multi-Cloud infrastructure.
- Set and enforce security practices.
- Develop tools and services in bash, Node.js, Python, and Go.
- Design, build, and deploy Docker containers, API Gateways.
- Automate and orchestrate infrastructure with Packer and Terraform.
- Build and maintain [Fargate] ECS, EKS, and Kubernetes clusters serving microservices.
- Manage AWS costs.
- Make and document changes to AWS infrastructure via aws-cli.
- Manage network security with AWS Security Groups, iptables, and OpenVPN.
- Maintain MongoDB and DynamoDB databases.

MidAmerican Energy Services **Dunwoody, GA**
2016 – 2018

DevOps Team Leader

- Orchestrate infrastructure with Packer, Terraform, Chef, and Ansible.
- Build and maintain Kubernetes clusters serving microservices.
- Develop tools in Python, Go, bash, awk, sed, CircuitPython, and Arduino.
- Build and maintain Cassandra, MongoDB, and MySQL databases.
- Build custom Raspberry Pi images for IoT devices sent to client locations.
- Design and CNC mill custom IoT hardware cases.

Cox Media Group [Technology] **Atlanta, GA**
2012 – 2016

Solution Architect, Mobile

- Develop mobile client and backend POCs.
- Architect and deploy cloud infrastructure.
- Develop and maintain original Open Source software projects.
- Workflow and process automation.
- Lead mobile architecture and technical strategy.
- Present and teach.

Cox Media Group [Technology] **Atlanta, GA**
2009 – 2012

Software Development Manager

- Co-Manage a ~30 developer team.
- Improve performance through coaching.
- Encourage and inspire developers and vendors to give great service.
- Workflow automation scripting.
- Architect and develop software.

Cox Media Group [Technology] **Atlanta, GA**
2008 – 2009

Internet Systems Manager & MySQL DBA

- Administer GNU/Linux servers.
- Manage a department of sysadmins.
- Workflow automation and config management.

Cox Media Group (Atlanta Journal-Constitution) **Atlanta, GA**
2007 – 2008

MySQL DBA

- Administer MySQL.
- Optimize developer code.
- Maintain high availability and performance.
- Develop extra Django and Rails projects.

Yahoo! **Atlanta, GA and Sunnyvale, CA**
2004 – 2007

Technical Yahoo!

- Manage teams, projects, SLAs.
- Automate workflows.
- Develop PHP web applications.
- Administer FreeBSD, Apache, MySQL.

Apple Computer **Atlanta, GA**
2004 – 2004

Business Sales Specialist

- Exploit my expertise to lure businesses away from Microsoft products for the greater good of the universe.

Lanier Worldwide **Atlanta, GA**
2002 – 2004

Web Application Developer

- Manage and train developers on CVS, security policies, and best practices.
- Develop PHP CMS and software deployment system.

MedCenterDirect **Atlanta, GA**
2000 – 2002

Lead Solutions Developer

- Develop PHP applications, portals, and commerce solutions.
- Architect custom deployment strategy.
- Script data migrations.

Amazing Graphics **Atlanta, GA**
1999 – 2000

Digital Designer/Production Artist

- Create graphics for vinyl wrapping busses, buildings, trade shows, etc.
- Administer network and Mac, NT, Solaris/Unix systems.

Freelance **USA and Ireland**
1998 – 2004

Consultant

- Consult in LAMP stack, networking, web development, client application development, Q/A, automation, Paspical, design.

World Wide Development **Ashland, KY**
1995 – 1998

Webmaster

- Develop (as a market pioneer) DB driven web solutions using HTML, JS, Perl, C/C++, ColdFusion, MS SQL
- Rack servers, run cables, and miscellaneous data center work.
- Answer phones on the customer support line (while writing code).

VOLUNTEER

DecaturMakers
<https://decaturmakers.org/about/whats-in-the-space/>
2015 – Present

Instructor

- Manage mission "to empower a community of builders, creatives, and learners", Decatur Makers "envision a world where anyone can make anything".
- Build and raced 2 Power Racing Series electric vehicles
- Taught skills in programming, Arduino and other microprocessors, soldering, electrical engineering, lithium battery assembly and safety
- Taught skills in welding, wood working, maintenance of bicycles, motorcycles, and cars

Habitat for Humanity International
<https://atlantahabitat.org/volunteer/>
2013 – Present

Roofing Skill Supervisor

I started out as a Cox employee volunteering for a single day on a Clark Howard build. It was Day 1, so I came back every weekend to see the whole project completed. (Because that kind of person.) At the end of the build the leader said, "Great! Now that you've completed the 7 week training, pick a specialty so we can get you certified and put you to work." So, I didn't really set out to be a supervisor, but it has been one of the best experiences of my life.

CONTACT

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- job-application@bronosky.com
- Resume (pdf)**
<https://richardbronosky.github.io/resume/pdf/>
- Resume (printable)**
<https://richardbronosky.github.io/resume/html/>
- Not a Cover Letter**
- Community Involvement**
- GitHub**
[RichardBronosky](#)
- StackOverflow**
[Bruno-Bronosky](#)
- LinkedIn**
[Bruno-Bronosky](#)
- X ; Twitter**
[RichardBronosky](#)

SKILLS

Amazon Web Services **master**

CDK, CFN, EC2, ECS, EKS, Fargate, EBS, RDS, S3, Lamda, CloudFront, GuardDuty, SNS, SQS

Automation/Orchestration & CI/CD **master**

Terraform, Ansible, Chef, CloudFormation, CDK, Jenkins

Machine Learning, Artificial Intelligence **intermediate**

Language Model, LLM, Neural Network, Transformer, GAN; Generative Adversarial Network, Computer Vision, NLP; Natural Language Processing, TensorFlow, PyTorch, Mojo, automatic1111, oobabooga

Kubernetes, Docker, and containers **advanced**

containerd, Podman, Helm, Argo-CD; Argo Project

GNU/Linux and BSD Server Administration **master**

Linux, FreeBSD, OpenBSD, MacOS, Arch Linux, BTW, Debian, RHEL; Red Hat Enterprise Linux, CLI; Command Line Interface, SSH, Systemd; systemctl, System V; SysV Init, LSB; Linux Standard Base

Bash/Shell Scripting **master**

POSIX sh, GNU Bash, Zsh

Graphics **master**

Adobe Creative Suite, OpenSCAD, FreeCAD, Fusion 360

Web Development **master**

HTML, CSS, JavaScript; ECMAScript, PHP

Interpreted Languages **intermediate**

Node.js, Python

Compiled Languages **beginner**

Rust, Go/GoLang, C/C++

INTERESTS

- Outdoors**
- Camping
 - Hiking
 - Rock Climbing
- Maker**
- Welding
 - Metal Machining
 - Woodworking
 - 3D modeling
 - 3D Printing
 - PEV; Personal Electronic Vehicles
 - FPV; multirotors/drones
- Automation**
- Home Assistant
 - Tasmota
 - Node-RED
 - MQTT
- Electrical Engineering**
- SBCs; RaspberryPi
 - MPUs; Arduino, ESP32
 - IoT
 - DIY Mechanical Keyboards
 - Ham Radio, LoRa, Software Defined Radio
- Robotics**
- ROS Robotics Operating System
 - Arm, Actuator, and End Effector design
 - BLDC; Brushless DC Motors
 - ESC development; [Vetter] Electronic Speed Control
- Jeeps and Motorcycles**
- Jeep Wrangler
 - Harley-Davidson Dyna Glide
 - Kawasaki KLR650
- Skydiving**
- USPA Class A License
 - Packing my own PD Sabre-2 190 parachute

EDUCATION

1997 **University of Kentucky**
Computer Engineering and Systems Analysis