Adam L Miller

DevOps & Full Stack Engineer | Cloud Architect | Linux Expert

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Objective

Versatile **Full Stack Engineer** and **AWS DevOps Professional** with 20+ years of expertise in software development, Linux systems engineering, and cloud infrastructure. Proven track record in architecting high-performance solutions, streamlining CI/CD pipelines, and leading cross-functional teams to deliver scalable and innovative products. AWS Certified Cloud Practitioner with a passion for continuous learning and leveraging cutting-edge technologies to achieve business objectives and drive success.

Professional Experience

Garden Springs | Full Stack Engineer | AWS DevOps Engineer | Remote | Full-Time

Mar. 2024 – Jan. 2025

Led the redevelopment of a core back-office application, modernizing from ColdFusion to a scalable architecture with Vue.js, Node.js, Python, and Docker. Deployed on AWS using services like EC2, S3, Lambda, and RDS, ensuring a secure and high-performance platform. Redesigned customer, order, and inventory systems with enhanced usability and reporting features. Streamlined deployments with CI/CD pipelines, reducing errors and accelerating delivery. Collaborated with teams to deliver user-focused solutions while implementing robust security measures.

Farm Flight, Inc. | Director of DevOps | Full Stack Engineer | Remote | Full-Time

Sept. 2020 – Jan. 2024

Designed and developed an innovative AgTech platform for processing and visualizing drone-captured aerial imagery, leveraging Python, Vue.js, and Node.js + Express to deliver a high-performance, user-friendly experience. Architected serverless AWS solutions using Lambda, ECS, ECR, SQS, SES, and EC2 to optimize costs, enhance scalability, and ensure application stability. Streamlined data pipelines and backend processes with REST APIs, Docker containers, and serverless workflows, enabling integration with third-party analytics providers and delivering insights on crop health, size, and density. Integrated machine learning workflows, such as YOLOv5 and YOLOv8 models, to automate agricultural pattern detection and classification, and optimized Cloud GeoTIFF pipelines for rapid data delivery and MapboxJS visualization. Collaborated with agronomists, data scientists, and product managers, while mentoring junior engineers and implementing security best practices, to create a reliable, secure, and scalable platform aligned with agricultural needs.

Pagely | AWS DevOps Engineer | Remote | Full-Time

Sept. 2017 – Jan. 2021

Delivered high-performance WordPress hosting solutions for enterprise clients, including Fortune 50 companies, by optimizing web server performance to handle millions of monthly visitors with maximum uptime and minimal latency. Architected scalable AWS solutions using EC2, RDS, S3, CloudFront, and Elastic Load Balancing, while automating infrastructure provisioning with tools like Ansible, Jenkins, and GitHub Actions to streamline deployments. Implemented robust monitoring and alerting systems with AWS CloudWatch, ELK Stack, and PagerDuty to ensure proactive issue detection and rapid incident response. Enhanced WordPress security through WAF configurations, automated updates, and custom hardening scripts, and performed detailed root cause analysis to drive continuous improvement. Collaborated with cross-functional teams, mentored junior engineers, and led enterprise WordPress migrations to AWS, ensuring minimal downtime and exceptional client satisfaction.

AlertGPS | Full Stack Engineer | AWS DevOps Engineer | Hybrid | Scottsdale, AZ | Full-Time

Jan. 2014 – Jan. 2017

Designed and developed a LAMP-based real-time alerting platform for missing persons using AWS services for scalability and reliability. Collaborated with the VP of Engineering to architect high-performance, cost-effective platforms leveraging AWS solutions. Enhanced security with robust authentication and optimized database performance to support scalability. Delivered responsive full-stack applications with robust APIs to meet critical business needs. Mentored developers and aligned features with business objectives through cross-functional collaboration.

Iveda Solutions | Linux DevOps Engineer | Full Stack Engineer | In-Office | Mesa, AZ | Full-Time

Sept. 2010 – Jan. 2014

Reverse-engineered the AXIS Video Hosting System (AVHS), a PHP-based platform with a MySQL backend, to evaluate its capabilities and define requirements for a scalable hosted video surveillance service using AXIS IP cameras. Designed and implemented a high-performance data center environment utilizing VMware vSphere, A10 Application Load Balancers, Dell PowerEdge Servers, Juniper networking equipment, and a highly available MySQL cluster with enterprise-grade 10GbE storage. Developed internal applications to streamline workflows for sales and engineering teams and built Iveda PinPoint, an innovative solution for plotting live video streams on Google Maps with real-time integration and cross-browser compatibility. Introduced AWS services, leveraging EC2 and S3 for cloud-based testing, and optimized Linux server environments through security hardening, performance tuning, and automation. Collaborated with software developers, network engineers, and sales teams to align infrastructure and applications with business objectives.

CWIE, LLC | PhoenixNAP | Site Reliability Engineer | Network Engineer | In-Office | Mesa, AZ | Full-Time

Jun. 2010 – Aug. 2010

Collaborated with network carriers, vendors, ISPs, and internal teams to ensure timely delivery and accurate configurations for new customer orders, meeting service requirements efficiently. Mentored junior engineers and help desk administrators, providing training to enhance technical skills and operational efficiency. Provisioned and configured networking and server hardware, including switches, load balancers, and servers, to support diverse infrastructure needs. Successfully migrated hundreds of customers and their hardware to a state-of-the-art facility with minimal downtime through meticulous planning and execution. Optimized network operations by implementing best practices, ensuring high availability and scalability for customer systems.

DeFusco Industrial Supply | IT Manager | Linux DevOps Engineer | Developer | In-Office | Mesa, AZ | Full-Time

Sept. 2009 – Jun. 2010

Designed and managed a high-availability e-commerce infrastructure for Defusco.com, ensuring fault-tolerant server operations and minimal downtime to support seamless online transactions. Developed and maintained the website, including inventory management, order processing, payment integration, and user experience optimization, to drive sales and meet business needs. Consolidated digital assets by streamlining domain management, reducing overhead, and achieving cost savings, while administering and maintaining reliable internal IT infrastructure and providing comprehensive desktop support. Implemented robust security practices for both the e-commerce platform and office network, safeguarding company and customer data. Automated routine tasks like server maintenance and software updates, enhancing efficiency and reducing errors.

Atjeu Publishing, LLC | Site Reliability | DC Tech | Linux DevOps Engineer | In-Office | Phoenix, AZ | Full-Time

Mar. 2008 – Sept. 2009

Provisioned and deployed dedicated servers tailored to customer specifications, utilizing Linux and Windows operating systems with hosting control panels like cPanel/WHM and Plesk. Streamlined server setup and delivery through PXE booting and custom BASH scripts, significantly reducing deployment time. Provided Tier 1 and Tier 2 help desk support, resolving complex issues related to server performance, hosting control panels, and email

configurations. Ensured high customer satisfaction and system reliability through effective troubleshooting and responsive service.

Quepasa Corporation | Site Reliability | Linux DevOps Engineer | In-Office | Scottsdale, AZ | Full-Time

Sept. 2006 – Mar. 2008

Established and managed vendor relationships to procure cost-effective hardware and software solutions, ensuring timely delivery to meet operational requirements. Designed and oversaw the build-out of a 10,000-square-foot office network infrastructure, including servers, networking equipment, and telephony systems, delivering a fully functional environment on time and within budget. Deployed and configured a high-availability production environment for Quepasa.com, leveraging Extreme Networks switches, Sun Microsystems servers, Coyote Point load balancers, and CentOS Linux for scalability and reliability. Implemented automated monitoring solutions using tools like Cacti, Splunk, and SolarWinds, improving system reliability and reducing downtime through proactive issue detection.

iCrossing, LLC | SEO Specialist | PHP Developer | In-Office | Scottsdale, AZ | Full-Time

Feb. 2005 – Sept. 2006

Developed and implemented comprehensive SEO strategies that increased website traffic and drove measurable growth in online sales. Optimized on-page and off-page SEO through keyword research, content strategy, and backlink building, achieving higher search engine rankings and improved conversion rates. Collaborated with marketing and content teams to create SEO-friendly web content, enhancing organic search visibility and customer engagement for Fortune 500 companies. Improved website performance by optimizing load times and mobile responsiveness, ensuring compliance with Google's Core Web Vitals and better user experiences. Built custom SEO tools using PHP, HTML, JavaScript, and CSS to automate deliverables and standardize processes, driving sustained growth in organic traffic and ROI.

Education & Certifications

High School Diploma – Paradise Valley High School – 1999-2003

Some College – Paradise Valley Community College – 2009-2010

AWS Certified Cloud Practitioner – December 2024

Self-taught with advanced training in cloud computing, containerization, and web development

Core Competencies and Technical Skills

Programming Languages: Python, JavaScript, PHP, HTML, CSS, BASH, and more

Frameworks & Tools: Vue.js, Node.js, Docker, Jenkins, Tailwind, CakePHP, SlimPHP, jQuery, and more

Cloud Platforms: AWS (VPC, EC2, RDS, Lambda, CloudFront, EventBridge, Fargate, ECS, ECR, and more)

DevOps Tools: GitHub Actions, Ansible, Jenkins, Terraform (Learning)

Databases: MySQL, PostgreSQL, MongoDB, Redis, DynamoDB, ElasticSearch, and more

Networking / Server Daemons: Apache (httpd), NGINX, Firewalls, VPN, Load Balancers, Switches, Gateways

Operating Systems: Apple macOS, Ubuntu, RedHat Linux, CentOS, Microsoft Windows, Unraid, and others

Systems Administration: Extensive knowledge of Linux environments, networking, firewalls, load balancers, etc

Team Leadership: Entry-level experience in building and mentoring small teams and driving collaboration