

MYRON OVERTON

myron.overton@gmail.com - 719-210-2833

SUMMARY

Principal Software Engineer with 25+ Years Building End-to-End Solutions

I transform complex technical challenges into elegant, scalable solutions across the full technology stack from embedded systems to enterprise applications. Throughout my career, I've architected and delivered critical systems that bridge hardware and software, combining deep technical expertise with strategic problem-solving. My approach centers on distilling complex requirements into clean, maintainable solutions that deliver real business value. I thrive at the intersection of hardware and software, bringing a unique perspective that enables me to see the big picture while maintaining meticulous attention to technical detail. Whether leading teams or diving deep into code, I focus on building systems that are not just functional, but exceptional.

Technical Excellence Across Domains:

Full-Stack Development: Seamless integration from embedded hardware to user interfaces
Core Languages: Advanced proficiency in C, C++, and Java for high-performance systems
Scripting & Automation: Python, Perl, Ruby for tooling and deployment optimization
Systems Architecture: Cross-platform development with expertise in Linux and Windows
Network & Data: Robust network programming with SQL database design
Web Technologies: HTML and JavaScript for responsive front-end solutions
Cloud solutions across AWS, GCP, Azure

EMPLOYMENT HISTORY

Principal Engineer - DevOps Lead AWS/UNIX/Python

Vyla.com • Centennial, CO • 06/2020 to Present

Software Engineering for adding features to Angular app hosted on GCP using firebase. Paired with Django backend hosted in AWS. Architected multi-environment EKS platform. Reduced infrastructure costs by implementing K3s on EC2 with FluxCD for GitOps-driven deployments. Built AWS Batch pipelines for processing large-scale agricultural datasets
Stack: AWS, GCP, Kubernetes, Terraform, Docker, Python, React, Postgres

DevOps Engineer IV AWS/UNIX/Java

Charter Communications/Kforce • Centennial, CO • 10/2019 to 6/2020

Migrated legacy application clusters to modernized Kubernetes infrastructure and reduce cost. Built and maintained CI/CD tooling: Jenkins pipelines, GitLab workflows, Atlantis for Terraform automation. Developed internal tooling in Python and Ruby to streamline configuration management
Stack: Kubernetes, Terraform, Ansible, Docker, AWS (EC2, RDS, ElastiCache, ALB, Route53)

Principal Engineer – DevOps Lead/AWS/UNIX/Java

DN2K • Centennial, CO • 08/2015 to 10/2019

Architected end-to-end infrastructure automation: Packer/Chef for AMI builds, Terraform for AWS provisioning (VPCs, EC2, ALB, ACM, Route53). Transformed proof-of-concept applications into production micro-services with HA, auto-scaling, and disaster recovery. Built centralized logging (ELK) and monitoring (InfluxDB) platforms for operational visibility. Developed internal DevOps tooling with Angular/Node.js frontends and Ruby/Python backends.
Stack: Terraform, Kubernetes, Docker, Jenkins, Chef, AWS, GCP, Java, RabbitMQ

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Principal Engineer – UNIX/Java

Blackhawk Network • Colorado Springs, CO • 12/2012 to 08/2015

Responsible for developing ETL data migration tools and batch processing tools to support transaction processing for gift cards.

Stack: UNIX, Java, Spring, Spring Batch, JSON, Amazon cloud services, MySQL, Ruby, Python, Chef, shell scripting and Linux administration.

Principal Engineer – UNIX/Java

Oracle • Colorado Springs, CO • 6/2011 to 12/2012

Responsible for developing and testing new features for Ops Center. (Sun's Server Management Platform) and Oracles Enterprise Manager.

Stack: UNIX, Java, XML, Oracle DB.

Principal Engineer – Windows/C++

CA Technologies • Colorado Springs, CO • 6/2009 to 6/2011

Responsible for developing and testing web service interfaces. Gained experience with CA's Spectrum Automation Manager.

Stack: Apache, gSoap, WSDL, Windows C++, and Amazon cloud services.

Senior Engineer - Linux/Java

Cassatt • Colorado Springs, CO • 4/2006 to 6/2009

Responsible for developing and testing features for a cloud computing controller. Cloud computing is the process of virtualizing computing hardware. Cassatt's controller virtualized the network as well as physical and virtual hard disk images. Gained experience with Diskless clients, Virtual networks, Java, Tomcat, Postgres, Spring-framework, Hibernate and many other third-party Java components.

Senior Engineer - Linux/Embedded/C/Java/C++

HP Storage • Colorado Springs, CO • 1/2003 to 4/2006

Built storage management platform integrating with HP System Insight Manager; developed CLI and web interfaces. Created custom embedded Linux distribution and cross-compilation toolchains for Intel and PowerPC architectures. Wrote high-performance Linux PCIe device drivers implementing zero-copy I/O for disk and network operations.

Stack: Java, JBoss, J2EE, Linux kernel, PCIe, GNU toolchain

Senior Engineer - Linux/Embedded/C/Java/C++

Compaq/HP • Colorado Springs, CO • 3/2001 to 1/2003

Built multi-threaded fiber channel path management system for SAN storage virtualization; developed Windows mini-port drivers for LUN failover

Senior Engineer - UNIX/SQL

MCI Telecommunications/Maxim Group • Colorado Springs, CO • 12/1998 to 3/2001

Developed Perl/C++ ETL tools and database interfaces for accounts receivable systems; built cross-platform CORBA services bridging UNIX and Windows

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Senior Engineer - UNIX/Embedded/C++

IEX, Inc. • Richardson, TX • 8/1995 to 12/1998

Telecommunications consulting; developed SONET OC-192 management systems and cellular switching center features; managed non-stop system upgrades

Lead Engineer - Embedded/C++

E-Systems • Garland, TX • 12/1991 to 8/1995

Led HIPPI TCP/IP gateway firmware development featuring zero-copy networking, bandwidth throttling, and dynamic service discovery; VxWorks on 68030/SPARC platforms

Engineer - Electronic Hardware Maintenance and Embedded/C

E-Systems • Fairfax, VA • 1/1987 to 12/1991

Responsible for maintaining a high-speed digital processing facility including lasers, electro-optic devices, and high speed analog amplifiers. Developed embedded code for electro-optic control and status collection. Gained experience with Lasers, Optics, and programming for motor control.

EDUCATION

B. S., Electrical Engineering Technology, 1987

Oklahoma State University, Stillwater, OK

SOFTWARE PROFICIENCY

Languages: Java, and Java Script, C, C++, SQL, HTML, Golang, Erlang

DevOps: FluxCD, Helm, Github Actions, Prometheus, Grafana

Scripting Languages: Python, Ruby, Perl, and shells (sh,csh,tcsh,ksh,zsh,bash)

Web Development: Apache, NodeJS, express, typescript, NestJS, Angular

Operating Systems: Linux, Solaris, MS Windows

Java Development: Spring, Hibernate, RabbitMQ, MongoDB, and popular libs

Source Control: GIT, BitBucket, Mercurial, Clearcase

Cloud: AWS, GCP, Azure