Eric Lalonde

Systems developer · Idaho, USA
eric AT lalonde DOT com github.com/elalonde elalonde.dev

SUMMARY

16 years of experience in userland systems development.

EXPERIENCE

Member of Technical Staff, Definitive Intelligence (acquired by Groq) 2022–2023

Member of Technical Staff, Autonomic (acquired by Ford) 2016–2022

Sr. Principal Software Engineer, Pivotal 2015–2016

Consulting Engineer, Pivotal 2013–2015

Senior Linux Engineer, Axcient 2009–2013

R&D Engineer, Sun Microsystems 2007–2009
Project Live*: modular software distribution and configuration for data-center systems.

PROJECTS

libsig1 Signal linked-device client library in C. Clean room.
puron COSMIC panel sensor applet. A rewrite of GNOME Freon.
eos i386 Multiboot kernel written by hand in NASM assembly.
jig Build system for software that agents write.

SKILLS

Languages C, x86 assembly (NASM), Bash, Java
Frameworks gRPC, Spring

EDUCATION

M.S., Computer Science, University of California, Santa Cruz, 2007

PUBLICATIONS

Using Comprehensive Analysis for Performance Debugging in Distributed Storage Systems
IEEE MSST 2007

PATENTS

Systems and Methods for Maintaining a Virtual Failover Volume of a Target Computing System
US 9,235,474

Systems, methods, and media for synthesizing views of file system backups
US 8,589,350, US 9,213,607

Performing global computation in distributed database systems
US 10,885,064

Method and system for configuring software modules to execute in an execution environment
US 8,302,077