

David Skudra

☎ 804-615-7705 | ✉ dskudra@gmail.com | 🏠 davidskudra.com | 🌐 davidskudra

Software Engineer with 7+ YOE, primarily designing & implementing scalable technical solutions

Experience

Atlassian

SENIOR SOFTWARE ENGINEER - CONFLUENCE

Bellingham, Washington

Mar 2025 - Present

- Led design, implementation and migration to a granular authorization framework, enabling customizable access roles for all customers and addressing a top enterprise request.
- Reduced a fleet-wide identity synchronization's mean latency from **80s** to **10s** and P99 from **373s** to **33s**, eliminating 30+ minute outliers and generating an estimated **\$1M+** in projected annualized compute savings.
- Restored stalled data exports for large enterprise tenants by scaling principal prefetch away from total directory size, reducing mean prefetch time from 294 minutes to 1 second for largest enterprises.
- Led a foundational data-access migration that removed legacy ORM coupling, eliminated nondeterministic production failures, and unblocked multiple cross-team releases without regressions.
- Led high-priority, cross-organizational security and reliability incidents, coordinating root-cause analysis, customer-impact containment, and durable fixes beyond formal on-call duties.

Atlassian

SOFTWARE ENGINEER - CONFLUENCE

Bellingham, Washington

Oct 2022 - Mar 2025

- Led core architecture for Confluence's role-based access-control platform, and led a fleet-wide group-identity schema migration to enable group renaming in Confluence
- Improved large-tenant operations by reducing marketplace app installation P90 from **20s** to **50ms** and permissions-page load time from **60s** to **5s**.
- Introduced progressive deployments for tier-0 services and delivered AWS optimizations saving **\$80K** annually

Capital One

SOFTWARE ENGINEER

Richmond, Virginia

Aug 2019 - Oct 2022

- Built resilient distributed payment systems processing millions of daily transactions on AWS serverless infra

Verizon

SOFTWARE ENGINEERING INTERN

Basking Ridge, New Jersey

June 2018 - Aug. 2018

NASA Ames Research Center

GPU ACCELERATED DIAGNOSTICS INTERN

Mountain View, California

Jan. 2018 - April 2018

Skills

Languages

Java, Python, C++, CUDA, Scala, Bash, PostgreSQL, MySQL

Tools

Git, JProfiler, Kafka, Spring, Postman, Unix systems, AWS certified solutions architect - associate

Education

University of Waterloo

BACHELOR'S DEGREE, COMPUTER SCIENCE

Waterloo, Ontario

May 2019

Publications & Research

Resource Intelligent Compilation for GPU Enabled Apps.

DAVID J. SKUDRA, GEORGE E. GOROSPE

NASA STI

April 2018