

David Skudra

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Software Engineer with 5+ YOE, primarily designing & implementing scalable technical solutions

Experience

Atlassian

SENIOR SOFTWARE ENGINEER - CONFLUENCE

Bellingham, Washington

Mar 2025 - Present

Atlassian

SOFTWARE ENGINEER - CONFLUENCE

Bellingham, Washington

Oct 2022 - Mar 2025

- Designed and led implementation of Confluence Role-Based Access Control permissions management system
- Feature lead for Confluence group name to UUID migration design and implementation
- Identified and implemented AWS resource usage optimizations generating **\$80,000** in annualized savings
- Created progressive deployment strategy for multiple tier-0 Confluence services to resolve longstanding availability issues during release periods
- Improved Confluence marketplace app install time P90 from **20 seconds** to **50ms** for largest Confluence sites by re-implementing backend with Postgres COPY rather than Hibernate
- Dropped Confluence space permissions page loading time from **60 seconds** to **5 seconds** for largest head-count Confluence sites with enhanced user lookup batching and database bulk querying

Capital One

SOFTWARE ENGINEER

Richmond, Virginia

Aug 2019 - Oct 2022

- Reduced cost of lengthy ECS batch processes via a serverless solution using Lambdas & fan-out pattern
- Improved availability by moving ECS batch processes to active-active architecture using distributed locks
- Implemented support for enterprise check disbursement to international addresses outside USA & CAN
- Prevented duplicate check disbursements with Redis cache to resolve kafka at-least-once-delivery issue

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, JMeter, Kafka, Spring, Postman, Unix, JIRA, Confluence, all common AWS services

Education

University of Waterloo

BACHELOR'S DEGREE, COMPUTER SCIENCE

Waterloo, Ontario

May 2019

AWS Certified Solutions Architect - Associate

AMAZON WEB SERVICES

March 2020

Publications & Research

Resource Intelligent Compilation for GPU Enabled Apps.

DAVID J. SKUDRA, GEORGE E. GOROSPE

NASA STI

April 2018

- Defined methods to dynamically generate code based on availability of GPU hardware using CUDA & C++