

Adam Bloom

 bloomadams

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SUMMARY

Experienced software leader with 8+ years of experience solving challenging problems spanning from system architecture, data processing, monitoring and observability, to end-to-end software debugging of distributed systems.

KEY ACCOMPLISHMENTS

- Led AgileMD's data platform growth from prototype to a multi-TB data warehouse feeding multiple data products
- Architected and implemented distributed systems components in multiple languages across public and private clouds
- Leveraged database migrations, end-to-end testing, and improvements to the deployment workflow to reduce DevOps hurdles and improved development team efficiency.
- While at Viasat, led DevOps efforts for the ISP MAC software, supporting hundreds of thousands of end-users. As Product Owner for a team of 5 engineers, developed DevOps vision, architecture, and product backlog. Coordinated monitoring, configuration, and deployment tasks among 4 teams (35+ people in the US and India).
- Performed end-to-end system integration to unlock additional bandwidth, including an additional 25% of capacity in the months after Viasat-2 service launch. Building on this success, I collaborated across engineering teams and business leadership to define system requirements for future capacity allocation systems. Performed data analytics and lent technical expertise to support satellite capacity management efforts.
- Supervised intern project involving geospatial indexing and GraphQL API development.

PROFESSIONAL EXPERIENCE

AgileMD, Inc.

Senior Software Engineer
Backend Software Engineer

Remote/Denver, CO

February 2024 — Present

February 2022 — February 2024

Spire Global, Inc.

GNSS, Ground Processing Software Engineer

Remote/Boulder, CO

December 2020 — February 2022

Viasat, Inc.

Product Owner & Lead DevOps Engineer
Software Engineer

Remote/Denver, CO

February 2020 — December 2020

January 2016 — February 2020

PERSONAL PROJECTS

OpenRCT2

- Fixed bugs in game logic (i.e. mechanic AI), added native Apple Silicon app, switched macOS app build to cmake

Camp Nebagamon Staff Time Off Assignments

- Built a Django web application to solve constrained optimization problem of assigning cabin staff time off, replacing a manual process that allowed many conflicts with inefficient resolution

TECHNICAL EXPERTISE

Debugging and developing multiple languages: Python, Node.js, Go, C/C++, MATLAB

Leveraging data storage and processing technologies: PostgreSQL, Avro, Kafka, Spark

Employing many DevOps tools: Docker, Git, Linux, Terraform, Ansible, Packer, Jenkins, Splunk, Grafana, Elasticsearch

Utilizing AWS services: Cloudwatch, DynamoDB, EC2, ECS, EKS, IAM, Lambda, RDS, Redshift, S3, SNS, SQS

CERTIFICATIONS / EDUCATION

Certified Scrum Product Owner, Mountain Goat Software

June 2020

Leading at Viasat: Manager Essentials, Harvard Business Publishing

June 2020

Viasat Supervisor Development Program

April 2018

Certified ScrumMaster, Mountain Goat Software

February 2017

Splunk Certified Architect 6.x, Splunk

January 2017

Rice University

Master of Electrical Engineering

Houston, TX

December 2015

