

# Adam Bloom



Denver, CO

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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

Bachelor of Science in Electrical Engineering, *Cum Laude*

May 2015