

Jeremy Baum

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PROFILE

A decade of experience in developing, deploying, and maintaining software primarily for the US Federal and Intelligence communities. A strong track record of successful team leadership in both engineering and technical go-to-market teams. Currently holds an active US Top Secret clearance.

PROFESSIONAL EXPERIENCE

GenAI Engineering Senior Manager
Accenture Federal Services

Washington, D.C.
July 2024 - Present

- Founding member of nascent Generative AI Community of Excellence at Accenture Federal Services. Partnering with Anthropic, NVIDIA, AWS and others to bring the best integration experience possible to US Federal customers.

Head of Solutions Architecture
TRM Labs (YC '19)

Washington, D.C.
February 2022 – July 2024

- Established the Solutions Architecture/Sales Engineering functions at TRM Labs. First technical hire on the GTM team.
- Supported the growth of company from 12M ARR to >40M ARR. Average quota achievement of supported AEs was 110% quarter over quarter (8+ quarters). Average NRR of API integrated customers >110% quarter over quarter. Directly supports >120 customers as the primary technical counterpart.
- Led the deployment of FININT/OSINT software to several large US-based federal agencies (FedCiv and DoD/IC). Led the integration of cryptocurrency-based risk models into commonly used case management and fraud detection platforms. Created the data schema and pipeline for petabyte scale data transmission into US Federal cloud instances.
- Created the first SaaS “Center of Demo Excellence” at TRM Labs. Trained solutions architects, sales engineers, and account executives to effectively demonstrate federal investigation and AML compliance software for customers new to cryptocurrency track and trace activities.
- Leads the core data and API-based implementations for both US and US Federal Civilian agencies, DoD elements, and IC groups.

Data Engineering Manager
Accenture Federal Services – AI Discovery Lab

Washington, D.C.
September 2019 - February 2022

- Lead data engineer at the Accenture Federal Services (AFS) Discovery Lab – a software accelerator for U.S. Federal customers to securely deploy AI/ML services to both hosted and managed environments.
- Core engineering resource on DevOps uplift of the Accenture Insights Platform, upgrading from a FedRAMP Low, IL2 PaaS product to a FedRAMP High/IL5 ready production product.
- Led development team on the AFS IARPA-SMART program. The AFS team led the deployment of a petabyte-scale geospatial processing pipeline to automatically detect anthropologic and anthropomorphic change for US Intel agencies. Led a team of 9 core developers and 40+ PhD students and contractors.
- Core subject matter expert for Accenture Studio’s Docker and container communities. Regularly developed materials and training for the deployment of container-based software on virtual machines, Kubernetes clusters, and managed Kubernetes services.
- Lead engineer on AFS bid for VA Loan Origination Program win (\$328M).

Technical Architect and Solutions Consultant
Accenture Federal Services

Washington, D.C.
September 2016 - September 2019

- Led Splunk engineering team at the Department of State’s (DoS) office of Acquisitions and Logistics Management (A/LM). Developed the ingest mechanism for 90 remote server logging and telemetry collection system. Developed and designed executive dashboards for

executive team members.

- Designed and developed the first automated software testing platform for DoS A/LM, saving the end customer \$122,000 per year at time of first deployment.
- Led the deployment of customer Java-based procurement system into a clustered HA environment. Implemented NFS clustered storage and Pacemaker system for VMWare-based production and staging systems. Reduced time to deploy of production software from 2.5 hours average to ~20 min average.

CORE SKILLS

Technical

- Software development (Python, JavaScript, Typescript)
- Container development and orchestration
- DevOps Management and Deployment (CI/CD, Infrastructure as Code, HashiCorp suite)
- Cloud-native development (AWS/Azure)
- API development, testing, demonstration
- Technical writing (including architecture diagramming and written documentation)

Techniques

- API demonstration (Demo development,
- Software delivery lifecycle management
- Human-centered design (stakeholder interview lifecycle, product delivery lifecycle)

PORTFOLIO AND PROJECTS

IARPA-SMART Program: SMART automates broad-area search of multi-source satellite imagery to detect, monitor, and characterize the progression of anthropogenic or natural processes, such as heavy construction or crop growth. By augmenting the manual imagery analysis process with global-scale image processing and machine learning, SMART will provide timely discovery and robust monitoring of man-made and natural change.

Accenture Insights Platform: AIP is a managed-service Platform as a Service architecture with pre-integrated software assets, which allows Federal and privacy conscious to quickly create and scale AI solutions for customers.

DruidSearch: My personal project. SaaS platform with AI enabled document indexing, search, and tagging. Upload any unstructured file repository and DruidSearch crawls the directory, tags relevant document metadata (OCR, Facial Recognition, File Creation Metadata, Content) and makes it all available to the end user for enhanced search. Available for demo upon request!

GitHub: Personal projects available upon request.

COMPANY/INDUSTRY AWARDS AND CERTIFICATIONS

AWS Certified Solutions Architect (AWS) AWS Certification Program

AWS Certified Developer (AWS) AWS Certification Program

Certified Kubernetes Architect (CNCF) Kubernetes Certification Program

Outstanding Contribution (Accenture Federal Services): Recognized for outstanding contribution to core technology development and sales targets.

Outstanding Contribution (TRM Labs): “Impact” award for founding a high performing Solutions Architecture function.