

Jonah Sullivan / Cloud-native Architect & Engineer

me@jonahsullivan.com / +1 406 998-7469

I possess over twenty years' experience delivering software; specializing in product modernization, processes, and people. My focus is on establishing optimal application architecture and engineering practices. Moreover, a key part of my role involves mentoring, coaching, and supporting the teams who build and maintain the products vital to our customers.

EXPERIENCE

Sr. AI Engineer, Contingent

Duck Creek Technologies — Feb '26–Current

- Built and tuned AI user experience components: guardrails, skills and tool catalogs, model auto-routing, search-and-execute tooling surfaces, and auto-regressive and RSI pipelines supporting agentic intelligence
- Helping realize a generative/deterministic workflow architecture based entirely on Xstate, harnessing models from Anthropic and OpenAI to a novel framework for problem-solving and rigid autonomous agent sandboxing
- Spearheading architecture and engineering of AI Platform initiative, combining model gateway, MCP gateway, cost observability, cost control, and IaC repeatability, targeting Azure

Co-founder, Principal Consultant

ThatsNinja — Sep '19–Current

- AI-enabled systems architecture and engineering; creating 'agentic' learning systems for customer service and other specific roles, engineering MCP interfaces to existing APIs.
- Engineered Capital One's transition to an event-driven microservice/serverless architecture (10/24–4/25); integrated Discover infrastructure for debit processing.
- Provided digital-forward consulting for local SMBs, including full-stack development, UX research, and monetization strategies.

Sr. Principal Engineer, Architecture

Veracode — May '21–Apr '24

- Led Evolutionary Reference Architecture team, including five IC reports and a Lead architect; creating POC/POV, exemplar projects and corresponding documentation, and refining engineering standards and practices for Veracode's then-nascent 'vNext' deployment and operations platform.
- Founded and led the Anchor Guild, comprising 21 Anchor engineers across Veracode. Regular Lean Coffee cadence facilitated the socialization of engineering at a layer unencumbered by middle-leadership.
- Re-engineered Veracode's core IP static scan process, realizing 6x performance improvement wall-clock time and 90% (97th percentile) reduction in scan cost, per scan.

PROJECTS

Dux / Duck Creek

- Reimagining Duck Creek's application platform architecture, build process, and deployment architecture
- Creation of platform Claw agents, for distributed DevSecOps via agent memory surfaces and search-and-execute tooling

Static Scan Pipeline / Veracode

- Architectural and engineering greenfield to create a parallel implementation of Veracode's core IP
- DDD, first principles first, converged on a value-centric, event-driven and reactive architecture
- Engineered AWS-native in EKS, with Confluent Kafka as our event bus
- Yielded architectural exemplars such as serverless and microservice project templates, and ArgoCD ApplicationSets
- Reduces Veracodes overall cost per scan by over 80% (90% reduction in compute cost)

IMARS Platform / Experian Consumer Services

- Aggregating and reporting on non-credit consumer identity and other data factors, detecting and acting upon fraud and reputational signals
- Integrations to 20+ distinct data vendors, including non-credit payday loan records, criminal records, civil public records, social media platforms, consumer reporting agencies, and more
- Integrations in PHP, Java, Python, Perl, Ruby, and Node.js
- Introduced AWS well-architected, serverless Integrations to social media APIs via OAuth for aggregating user data for analysis

CCCP / Experian

- The California Consumer Compliance Platform was created to fan out and monitor legally-mandated requests from California residents regarding the handling of their personal data
- Pioneered the use of AWS Step Function state machines at enterprise in ECS
- Augmented existing CodeBuild and CodeDeploy pipelines to deploy via Experian's articulated deployment platform
- DynamoDB and ElastiCache Redis adapter used for data and transient caches, respectively, with no consumer data traveling internal to the state machine
- Observability in Datadog, with full request lifecycle and alerting on SLA risk