



James Earlywine

Solutions Architect, MBA

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SKILLS

Typescript/Javascript	<div><div></div><div></div><div></div><div></div><div></div></div>
Node	<div><div></div><div></div><div></div><div></div><div></div></div>
Jest	<div><div></div><div></div><div></div><div></div><div></div></div>
AWS CloudNative	<div><div></div><div></div><div></div><div></div><div></div></div>
DynamoDB	<div><div></div><div></div><div></div><div></div><div></div></div>
HTML & CSS	<div><div></div><div></div><div></div><div></div><div></div></div>
Angular	<div><div></div><div></div><div></div><div></div><div></div></div>
RxJS	<div><div></div><div></div><div></div><div></div><div></div></div>
React	<div><div></div><div></div><div></div><div></div><div></div></div>
NgRx/Redux	<div><div></div><div></div><div></div><div></div><div></div></div>
React+Hooks	<div><div></div><div></div><div></div><div></div><div></div></div>
Cypress	<div><div></div><div></div><div></div><div></div><div></div></div>
Java 8	<div><div></div><div></div><div></div><div></div><div></div></div>
Spring/Boot/Batch	<div><div></div><div></div><div></div><div></div><div></div></div>
Junit/Mockito	<div><div></div><div></div><div></div><div></div><div></div></div>
Bash	<div><div></div><div></div><div></div><div></div><div></div></div>
CodeBuild/Pipeline	<div><div></div><div></div><div></div><div></div><div></div></div>
Cloudformation	<div><div></div><div></div><div></div><div></div><div></div></div>
AWS CDK - Typescript	<div><div></div><div></div><div></div><div></div><div></div></div>
Postgres / Mysql	<div><div></div><div></div><div></div><div></div><div></div></div>



ABOUT ME

Full stack developer with 17 years experience building web applications, leveraging a variety of technologies. Recent interests includes AWS cloudnative technologies and graph databases.

Seeking a remote role on a well-connected team. I value a candid, positive culture, continuous learning and growth, and a healthy work/life balance.

I like to design and build event-driven solutions - whether it's client-side web UIs, or cloudnative distributed backend architectures.



EXPERIENCES

Staff Software Engineer

Jan 2022 – July 2025

Moodys Analytics – Digital Insights

- 2024 - 2025 – Research Views & Site Stability Squad:

- Design and build new Transitional Content Service to
 - build a cached corpus of legacy content over time - expose operational controls for updating that legacy content
 - provide 99.99% site stability while we strangle an end-of-life monolith into a series of cloudnative and ECS-hosted microservices
 - eliminate chronic site outages - reduced incident escalation calls from 1-2 per week to just 1 escalation in six months.
- Design new research ingestion pipeline and migrate components from legacy platform to AWS cloudnative technologies
- Design and build extensible OpenSearch ingestion infrastructure to support Operations needs for search against various Dynamodb data stores
- Tech: Node, Typescript/Express, Lambda, ECS Fargate, EventBus, S3, ApiGateway, Dynamodb+Streams

- 2023 - 2025 - Backend Guild:

- Provide engineering support to build library of AWS CDK constructs and Lambda middlewares, to standardize stacks and tooling across all the squads.
- Tech: Typescript, AWS CDK, Lambda, Middy, Jest

DynamoDB	
GraphDB (Neo4j, Gremlin)	
Git	
System Design	
Message-Driven	
Diagramming	

CERTIFICATIONS

2021

- AWS Solutions Architect - Professional
- AWS Security - Specialty
- AWS Sysops Administrator – Associate
- AWS Developer – Associate
- AWS Solutions Architect – Associate
- AWS Cloud Practitioner

2010

- Graduate Studies in HR Management

EDUCATION

- MBA Finance & Marketing 2013
Butler University, Indiana
- BA Philosophy & Economics 2009
Indiana University, Indiana

AWARDS

- Digital Insights Hackathon 2023
Moody's Analytics
- 2nd place – AI Innovation
- Liberty Shine Award 2020
Liberty Mutual – for quality team delivery on aggressive timeline
- Customer Experience Award 2015
Gannet/IndyStar – for principal development of Indiana Sports Awards voting platform

- 2023 - 2025 – Cross-Squad Architect:
 - o Engage tech-leads early and often in designing cloud-native solutions: data pipelines, authorization service, research services, text-to-speech accessibility, and AI Research Assistant – to reduce re-work, drive quality and parallelize development tasks.
 - o Tech: AWS, UML, Miro
- 2022 – 2024 – Access & Entitlements Squad:
 - o Design and build new Attribute-Based-Access-Control Authorization Service to support evolving product offerings and billing models.
 - o Architect and engineer multiple AWS cloudnative data pipelines – syncing from salesforce and legacy authorization system, to new authorization system.
 - o Tech: Salesforce, Node, Typescript, Jest, Lambda, ApiGateway, SQL+Triggers, Dynamodb+Streams, EventBus, Neo4j, AWS Neptune/Gremlin Graph Database
- 2022 – Research Views Squad
 - o Architect and build full-stack text-to-speech solution, to improve content accessibility.
 - Backend: AWS StepFunctions, CloudMap, SSM, S3+Events, Polly, Lambda and ApiGateway.
 - Front-end: React 18, integrated audio player to ResearchView frontend, complete with table-of-contents that navigates to visual and audio content simultaneously.
- 2022 - Testing Guild:
 - o POCs and discussions that inform our strategies and tooling across all squads for testing async message-driven systems.
 - o Tech: Typescript, Jest, AWS SDK, CDK, StepFunctions, Lambda, CodePipeline, Codebuild, SSM, Cloudmap, Dynamodb, SuperTest, Cypress

Senior Software Engineer

Aug 2019 – May 2021

Liberty Mutual
Corporate Finance - Reinsurance

- Service integrations and rebuilt legacy mainframe solutions in the AWS cloud. (ETL, Batch Transaction Processing, BackOffice UI)
- Tech: Java/Spring, Typescript/Node/Express, ReactJS, MSSQL, Postgres, CloudFoundry+Bamboo+PCF+AWS: EC2, S3, RDS, CDK/Cloudformation, ApiGateway, Lambda

- MVP Performance Award 2015

Gannet/IndyStar – for rapid development of a digital engagement product for key account

Contract Developer UI

Feb 2019 – Apr 2019

Allegion US, Indianapolis IN

- Temporary help to get their online ordering app across the finish line.
- I re-architected their UI state-management and component messaging, to accommodate an increasingly complex domain model.
- Tech: Typescript, Angular/RxJS, Angular Material, Protractor

Contract Developer UI

Jun 2018 – Nov 2018

OneAmerica, Indianapolis IN

- Evidence of Insurability web application.
- Fun project, delivered ahead of schedule, with additional features
- Tech: Javascript, Backbone/Marionette, Bootstrap, Mocha+Chai+Sinon, etc.

Senior Solutions Developer

Oct 2017 – Mar 2018

Stratice Healthcare, Indianapolis IN

- Full-stack development of web application that processes electronic health records to automated the ordering and delivery of durable medical equipment.
- Our team also reorganized application functionality across multiple business-bounded contexts, and re-built rapidly prototype features.
- Tech: Postgres, Liquibase, Java/Groovy, Grails 2 & 3, Spring, Spock, AngularJS, Angular4, Jasmine/Karma/Protractor/Selenium, RxJS, Bootstrap4, HTML5, SCSS, Javascript, Typescript, Ubuntu, Jenkins, Bash

Principal Developer

Aug 2013 – Sep 2017

Gannett/IndyStar/StarMedia, Indianapolis IN

- Full stack development of solutions to support digital advertising campaigns for key accounts, and newsroom collaborations.
- Built single-page-applications, data-visualizations, landing pages, micro-sites, dynamic ad generation/delivery, RESTful webservice
- Tech: AWS [EC2, S3, RDS, ELB], Ubuntu, Bash, Apache2, MySQL, PHP5/7, Laravel5, Javascript, AngularJS, D3js, FabricJS, Bootstrap3, HTML5, CSS3, Javascript, Grunt, Gulp, Bower, Doxygen, SwaggerUI, Jenkins, Chef, Docker, Scalr, Consul, Splunk
- 3rd party integrations: Google, Facebook, Instagram, Youtube, AWS, various data partners