



James Earlywine

Full Stack Developer, MBA

✉ james@earlywine.info

📞 (317) 918-5861

🌐 jamesearlywine.com

🌐 linkedin.com/in/james-earlywine

🐙 github.com/jamesearlywine

SKILLS

Typescript/Javascript	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Node	<div style="width: 100%;"><div style="width: 95%;"></div></div>
AWS CloudNative	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Async	
Messages-Driven Solutions	<div style="width: 100%;"><div style="width: 95%;"></div></div>
DynamoDB	<div style="width: 100%;"><div style="width: 95%;"></div></div>
HTML & CSS	<div style="width: 100%;"><div style="width: 95%;"></div></div>
React	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Angular	<div style="width: 100%;"><div style="width: 95%;"></div></div>
RxJS	<div style="width: 100%;"><div style="width: 95%;"></div></div>
NgRx/Redux	<div style="width: 100%;"><div style="width: 95%;"></div></div>
React+Hooks	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Jest	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Cypress	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Java 8	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Spring/Boot/Batch	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Junit/Mockito	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Bash	<div style="width: 100%;"><div style="width: 95%;"></div></div>
CI/CD	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Cloudformation	<div style="width: 100%;"><div style="width: 95%;"></div></div>

ABOUT ME

Full stack developer with 12+ years experience building web applications, leveraging a variety of technologies. Recent interests includes AWS cloud-native 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, architect and build entire solutions. I'm all about building event-driven reactive software - whether it's client-side web UIs, or cloud-native distributed backend architectures.

EXPERIENCES

Staff Software Engineer Jan 2022 – Current
Moody's Analytics – Digital Insights

- 2023 - User Management Squad:
 - o Design and implement new Attribute-Based-Access-Control Authorization Service
 - o Architect and engineer multiple AWS cloudnative data pipelines - from salesforce and legacy authorization system, to new authorization system.
 - o Tech: Salesforce, Node, Typescript, Jest, Lambda, ApiGateway, SQL+Triggers, Dynamodb+Streams, EventBus
- 2023 - Backend Guild:
 - o Provide engineering support to build library of AWS CDK constructs and Lambda middlewares, to standardize stacks and tooling across all the squads.
 - o Tech: Typescript, AWS CDK, Lambda, Middy, Jest
- 2023 - Architecture Guild:
 - 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 – 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.

AWS CDK (Typescript)	
Postgres / Mysql	
DynamoDB	
GraphDB (Neo4j, Gremlin)	
Git	
Sytem Design	
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

- 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
- MVP Performance Award 2015
Gannet/IndyStar – for rapid development of a digital engagement product for key account

- 2022 – User Management Squad
 - o Early POC work for sync data pipelines, graph database POCs and attribute-based-access-control discussion/discovery.
 - o Mentor incoming MATR internship participants.
 - o Tech: Typescript, Jest, AWS CDK, Neo4j, AWS Neptune/Gremlin Graph Database
- 2022 - Testing Guild:
 - o POCs and discussuins that inform our strategies and tooling 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, UI, etc)
- Tech: Java/Spring, Typescript/Node/Express, ReactJS, MSSQL, Postgres, CloudFoundry+Bamboo+PCF+AWS: EC2, S3, RDS, CDK/Cloudformation, ApiGateway, Lambda

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 business-bounded contexts
- Re-built rapidly-prototyped features, and migrated:
 - AngularJS webclients -> Angular4 webclients
 - Grails2 microservices -> Grails3 microservices
 - Automated test coverage (unit, integration, and e2e)
- 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

Gannet/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

VP of Technology

Oct 2011 – Dec 2014

ViewYou, Indianapolis IN

- Full-stack development to support new strategic partnerships and co-branding initiatives.
- Re-architected and migrated from TokBox to Vidder, when TokBox stopped supporting our use-case.
- Tech: AWS [EC2, S3, RDS], Rackspace, Cloudflare, Ubuntu, Bash, Nginx, MySQL, MongoDB, PHP5, Laravel3, Javascript, JQuery, Handlebars, Bootstrap3
- 3rd party integrations: TokBox, Vidder, Stripe, Shopify, AWS, Cloudflare, MongoHQ