Mike Dalrymple

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Summary

Hands-on engineering leader, experienced in the entire product development lifecycle, from requirements gathering through development, deployment, and operational support.

Experience

MX Ledger : Founder   2019 - Current

MX Ledger is a platform that helps small aircraft owners track their maintenance records

- Designed, developed, and deployed the full application stack from initial concept to working product
- Leveraged AWS serverless solutions to keep operational costs low while maintaining sub-second response times
- Implemented a blockchain-backed system along with DynamoDB to deliver auditable, versioned records with low latencies
- Developed Use Case documentation for all implemented features
- Achieved over 90% test coverage across Go, Typescript (Angular), and Java codebases
- Entire infrastructure managed with Terraform and Terraform Cloud

Slalom : Senior Delivery Principal   January - December 2022

Slalom is a global consulting firm that helps people and organizations dream bigger, move faster, and build better tomorrows for all.

- Developed and implemented migration strategies for customers moving from on-premise (data center) deployments to Amazon Web Services (AWS).
- Recognized by colleagues with a Delivery Excellence Double Diamond award for work with first client.

Watchwith : Co-Founder & Head of Engineering   2008 - 2019

Watchwith (acquired by Comcast in 2016) developed an award-winning interactive video platform used by NBCUniversal, Fox, Disney, CBS Interactive, and Viacom

- Architected a solution that evolved from supporting connected Blu-ray devices to millions of connected TVs

- Managed local and remote teams developing applications for TVs, STBs, and mobile devices (iOS & Android)
- Delivered services that scaled from zero to 20k+ concurrent connections to support high traffic voting events for The Voice, America's Got Talent, and American Idol
- Migrated all Watchwith services to Amazon Web Services in April 2010 and continued to adopt new AWS services as they became available

Certifications

- AWS Certified Solutions Architect - Professional

Technical Skills

Code and writing samples are available on request. Community contributions and discussions can be found on GitHub and Stack Overflow.

- **Programming Languages**: Go, Typescript, Javascript, Java, Groovy, HCL, HTML, CSS
- **Operating Systems & Utilities**: Linux, Regular Expressions (RegEx), vi, Git
- **Frameworks & Libraries**: Angular, ngrx, RxJs, Spring, Jest, Spock, gorilla/mux, Tika
- **Cloud Tools**: Amazon Web Services, Terraform Cloud, SendGrid, GitHub
- **AWS Services**: Lambda, DynamoDB (NoSQL), Cognito, IAM, EC2, Beanstalk, ECS, RDS, QLDB, SQS, SNS, SES, Kinesis, Route53, ACM, CloudSearch (ElasticSearch), Textract, API Gateway, CloudFront, FSx for NetApp ONTAP, S3, WAF, CodeBuild, CodePipeline, CloudFormation, CodeDeploy, CloudWatch, X-Ray, Backup, Organizations, Systems Manager, VMWare on AWS

Patents & Papers

- US20120173754 System and method for interfacing content playback devices with network sites to supplement content playback
- US20170041644A1 Metadata delivery system for rendering supplementary content
- Gerzso, M.J. and Dalrymple, M.J. (1998). Executable Drawings: The Computation of Digital Architecture. *Proceedings of Acadia'98*. Eds. S. Van Wyk and T. Seebohm. Quebec City
- Gross, M. and Dalrymple, M.J. (1997). Executable Drawings: Embedding Computation in Computer-Aided Design Drawings. *final report of a Colorado Advanced Software Institute Undergraduate Research Grant*

Education

B.A. Architecture and Design, University of Colorado Boulder - Focus on Computer-Aided Design