Mark Kraus

Full Stack Web Developer – Cloud Engineer

Linkedin.com/in/mark-w-kraus || github.com/vinarius

Professional Statement

Detail oriented & highly adaptable professional with experience in the commercial & federal sectors developing, testing, & deploying software. Ability to leverage full stack expertise to build responsive, cloud based applications at massive scale.

Profile

Name:
Mark Kraus

Location:
York, Pennsylvania

Phone:
+1 (717) 615-4471

Email:
vindevccm@gmail.com

Skills

AWS:
CDK, CloudFormation, SAM, API Gateway, CloudFront, CloudWatch, Connect, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, Cognito, DynamoDB, IAM, Kinesis, Lambda, QuickSight, S3, etc

Client:
Angular, React, D3

Server:
Node.js, Express.js, Python

Database:
MongoDB, DynamoDB, Postgresql

Version Control:
Git

Tools:
Webpack, Babel, TypeScript, Swagger, Docker, Axios

Testing:
Mocha, Chai, Sinon

Delivery Methodologies:
Agile, Waterfall

Software:
VS Code, GitHub, Gitlab, Bitbucket, Jira, Agile Manager, Confluence

Experience

VoiceFoundry – https://voicefoundry.com   June 2020 - Current
Cloud Engineer & Full Stack Web Developer

As an engineer at VoiceFoundry, my role is primarily to deliver project work, as well as provide guidance as a consultant to our clients on training & best practices for the solutions we deliver. I work to refine the process of delivering projects by building internal tools, suggest new methods of designing & building a system, & provide feedback to my team leads on issues. Additionally, I provide guidance to junior team members on industry best practices during code reviews. My preferred language is Node/JavaScript using TypeScript but am also proficient in Python. I prefer AWS CDK for infrastructure as code templates.

+ *Amazon Connect*
  - Setup & configure instances of Connect based on requirements
  - Integrate custom logic using lambda functions
  - Engineer contact flows based on designs
  - Custom CCP built in React

+ *Admin App*
  - Custom off-hours & holiday messaging for contact flows
  - Support multi-language contact flows with dynamic prompts
  - Maintain & deploy infrastructure resources with SAM
  - Capture prompts & hours info in an Angular UI
  - Process server logic with Python lambdas
  - Store data in DynamoDB for retrieval from Connect
  - Encrypt resources at rest using KMS

+ *Voicemail App*
  - Leave voicemails for a queue or individual agent
  - Maintain & deploy infrastructure resources with Serverless
  - Invoke Kinesis to capture audio shards in contact flow
  - Store .wav files in an S3 bucket
  - Store recording metadata in DynamoDB
  - Process server logic with Typescript (Node.js) lambdas
  - Build UI with Angular
  - Encrypt resources at rest using KMS
  - Set time-to-live on audio recordings per client requirements

+ *Storage App*
  - Export Connect data using Kinesis & Firehose to an S3 bucket for import to a custom solution for robust reporting & analysis
  - Maintain & deploy infrastructure resources with CDK
  - Encrypt resources at rest using KMS

+ Operate within the Agile software development methodology
+ Manage sprint life cycle using JIRA

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Experience

Deloitte Consulting
July 2017 – June 2020

Full Stack Web Developer

+ Maintain an enterprise level analytics dashboard assisting the U.S. Department of Defense in managing military assets
  ◆ Build UI content in React and Angular
  ◆ Construct custom data visualizations using D3.js
  ◆ Develop Typescript (Node.js) web servers & deploy to AWS
  ◆ Develop in a micro-service architecture
  ◆ Containerize using Docker
  ◆ Implement MongoDB as the database mechanism
+ Operate within the Agile software development methodology
+ Manage sprint life cycle using JIRA

Release Management Coordinator

+ Maintain the web application managing state benefits for citizens of the commonwealth of Pennsylvania
+ Manage package compilations, file drops, & build deployments to INT, SAT, UAT, TFP, & PROD environments
+ Ensure environment uptime so testing is not impacted
+ Assist in E2E testing providing confidence toward daily deployments
+ Supervise builds from compilation to migration
+ Operate within the Waterfall software development methodology with six month deployment periods

Freelance Web Developer
December 2016 - July 2017

+ Develop a Node application for a custom tailoring business
  ◆ Add HTTPS security & deliver resources securely
  ◆ Deploy to a private VPS
  ◆ Serve views using the PUG template engine
+ Develop a JAM-stack application for an Italian restaurant
+ Brochure site including About, Menu, & Contact pages

Education

YTI Career Institute York, Pennsylvania

AA Computer Systems Specialist
November 2011 - August 2013

AWS Developer Associate Certification
May 2021

Referrals available upon request