JORDAN MAX

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SUMMARY

Multi-disciplined polyglot developer specializing in building serverless full-stack API based web applications and re-usable platform level tools/packages/SDK/components.

EXPERIENCE

Senior Software Engineer
April 2021 to present
Chicago, IL

FightCamp

- → Spearheaded our synthetic testing framework which runs a series of scripts and generates expected data to test against. I also handled the CICD implementation which gets triggered off of a deploy to a certain environment using Github Actions.
- → Created a Serverless notification system using Apigateway and Websockets, to enhance customer experience regarding alerting them of notifications that occur in the backend.
- → Core team member in converting nodejs monolith to graphql based microservices using Serverless Framework and AWS.
- → Primarily responsible for any backend, database and anything infrastructure related for our back-end team.
- → Helped establish a pub/sub model for existing/future services utilizing Kinesis and DDB streams.
- → Developed a DyanamoDB adaptor deployed to a Lambda layer used by any services that communicate with DDB.
- → Built a scalable serverless pipeline to convert data in an existing RDS mysql database to graphql/dynamodb.
- → Works closely with a robust team to ensure deadlines in a speedy manner.
- → Technologies used: **Serverless Framework, NodeJS ,Lambda/Layers, Kinesis, DynamoDB, DynamoDB Streams, AppSync, ApiGateway, Websockets, S3, Cloudwatch, Cloudwatch (metrics/logs/dashboards), RDS + more.**

Software Engineer
July 2019 to April 2021
Chicago, IL

Syngenta

- → Helped facilitate the development and maintenance of AWS Codebuild and CircleCI pipelines, using the Serverless framework and cloudformation templates for infrastructure as code.
- → Built many API's using the Serverless Framework, AWS Lambda functions and ApiGateway. These were built in a modular fashion and allow for multiple applications to be using them across many other projects. Opposed to API's being tailored for one application, by utilizing OpenAPI and schema validation on destructive (create, update, delete) API calls for both incoming requests and outgoing responses.
- → Built microservices tailored to ETL pipelines from external integrations including: salesforce, john deere, and other in-house data sources.
- → Involved with key architecture decisions for projects and regularly proposes infrastructure design solutions given requirements from stakeholders.
- → Primarily focusing on building re-usable API's, packages and SDK's using nodejs and sometimes python:

- Front-end private npm package to facilitate as a UI-kit for our front-end teams to build and maintain re-usable react components.
- Authentication system using AWS Cognito and a number of federated identities for SSO.
- Notification system using Twilio and AWS SES.
- Created a circleci ORB to automate OpenAPI documentation for all of our API's.
- Helped develop normalized database drivers for technologies such as: Neo4J, DynamoDB, and MySQL.
- involved heavily with helping and mentoring our junior developers.
- Technologies used: **Serverless Framework, NodeJS, Python, Neo4J Graph DB, AWS SQS, SES, SNS, Lambda, DynamoDB, Cognito, Cloudwatch, Cloudfront, Cloudformation, Route 53, ApiGateway, RDS MySQL, OpenAPI + more.**

Full Stack Software Engineer
FCB Chicago

July 2017 — July 2019
Chicago, IL

- Tasked with learning new technologies to find innovative solutions to meet the needs of demanding clientele.
- Majority of work done in Linux, Express, Mongo/MySQL, Javascript stack.
- Created and maintains a flagship product being built using AI. Securely building the back-end encompassing a secure exposed API, third party API integration mini-services, admin portal and more.
- Interacts and negotiates with project managers, design, UX and tech leads; communicates how code changes may impact future releases and overall architecture.
- Regularly works well with new or unknown programming languages (or frameworks) while excelling at adapting quickly to the differences in syntax within tight deadlines.
- Technologies used: **GraphQL**, **NodeJS/Express**, **ES6 Javascript**, **ReactJS**, **KeystoneJS**, **Docker, AWS (ECS**, **EC2 Load Balancers**, **Route53, CodePipeline/CodeBuild**, **SES/SNS/SQS**, **CodeCommit**, **IAM**, **S3 and more), Alexa**

Full Stack & Mobile Engineer
Newser

June 2016 — June 2017
Chicago, IL

- **Singularly lead mobile development** for new iOS and Android apps using a mostly shared codebase
- Updated existing code while optimizing deficiencies and **improved performance by 50**%
- Generated revenue by implementing Facebook Ad Network and RevMob into the app which resulted in **$20K annual revenue increase**
- Technologies used: **ASP.NET 4.6, MSQL, Web Forms, Xamarin Forms/iOS, Azure, TFS, jQuery, HTML5, CSS3, SQL Management Studio**

Full Stack & Mobile Engineer
NextCrew

Feb 2015 — May 2016
Glenview, IL

- Designed, developed and deployed hybrid iOS/Android app using the Cordova framework
- Lead a .NET project which communicated with **Quickbooks Online** endpoints to streamline our clients accounting needs

→ Technologies used: **ASP.NET, Web Forms, Cordova, MSQL, TFS, RactiveJS, Semantic UI, Bootstrap, JIRA, Xcode 9**

EDUCATION

Columbia College Chicago   May, 2015

BA, Mobile and Software Programming   3.5 GPA | Dean's List recipient

→ Studied data structures, database design, mobile programming and web application development.

→ Completed various projects such as: Sweets Complete (in both: PHP & ASP.NET MVC 5 using Entity Frameworks), Spark Help (ASP.NET MVC5 using Entity Frameworks), Hamstar (Unity3D, C#, Javascript), Procedural AI pathfinding node generation algorithm (C#)