Marcos Cardenas-Zelaya

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github.com/marcosmcz

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Skills

Languages: Ruby (Ruby on Rails), Javascript & Typescript (React.js & Node.js), SQL, HTML, CSS, Python

AWS: IAM, RDS, S3, DynamoDB, Lambda, Fargate, VPC, ElastiCache, OpenSearch, CloudFront, Code*

Tools and DevOps: Docker, Git, CDK & CloudFormation, Github Actions, CI/CD, Jira

Coding Principles: System Design, OOP, Design Patterns, TDD, MVC, Clean Code, Agile methodology

Work Experience

Software Developer　　　　　　　　　　　　　　**Pariveda**　　　　　　　　　　Jan 2022 - Present

- Improved our clients app performance by 50% by implementing a caching layer microservice between their backend and a third party API using **Python** in AWS **Lambda** and **DynamoDB**
- Implemented a SPA with **React.js** to improve our companies code recycling strategy by implementing an internal tool to search and upload completed projects code repositories and documentation
- Led the design and development of event driven ETL pipelines with AWS Lambda and DynamoDB that improved our clients observability of their KPIs
- Helped junior developers on my team in pair programming sessions and informal mentoring 1-1s
- Reduced cloud development time by 80% by migrating our teams IaaC to **CDK**
- Improved our clients security by storing 100% of their sensitive credentials in AWS **Secrets Manager**
- Reduced our test times by 88% by optimizing our **CI/CD**s linting process

Software Developer　　　　　　　　　　　　　　**Crowdmark**　　　　　　　　Oct 2020 - May 2021

- Led the design and development of an **AI** algorithm in Python that detects instances of fraud using **NLP**
- Created an event driven ETL pipeline with **Ruby on Rails** and Lambda for data mining
- Improved users efficiency by 5% by creating keyboard shortcuts in **Ember.js** that made grading faster
- Fixed front and back end bugs in Ember.js and Ruby on Rails by improving UI/UX and test coverage

Personal Projects

Software Developer　　　　　　　　　　　　　　**Martlet**　　　　　　　　　June 2021 - Present

- Built and designed a website, www.martlet.io, that allows users to discus in the margins of PDFs
- Developed the API with Ruby on Rails and **Docker** and deployed on **Fargate** and **RDS** (PostgreSQL)
- Developed the front end in **React.js** with **Typescript**, **CSS**, **HTML**, **S3**, **CloudFront** and **Route53**
- Created a CI/CD pipeline with GitHub Actions and **OpenID Connect** to deploy the front and back end
- Implemented background processing jobs with Fargate and **ElastiCache** to process uploaded PDFs
- Implemented email and elastic search functionality with **SendGrid** and **OpenSearch**, respectively

Education

Masters in Statistics	**York University**	2019 - 2020
Bachelors in Mathematics	**McGill University**	2014 - 2019