

# Ramy Tamer

Software Engineer

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**Education**      **B.S., Computer & Communications Engineering**, Alexandria University,      2012-2017  
Egypt.

**Experience**      **Software Engineer**, Remote, Pipefy.      Oct 2021 - present

I worked on the **Messaging** team responsible for building and maintaining messaging-related features. Including sending and receiving emails and configuring custom SMTP servers.  
I also worked with the **Guest area** team focusing on guest and public users' experiences.  
The tech stack included **Ruby, Rails, Elixir** in the backend, and **React** in the frontend, with infrastructure deployed on **AWS**.

**Software Engineer II**, Remote, Warner Bros. Discovery.      Sep 2021 - present

I worked on the **Discovery+ Event Streams** team, responsible for processing around 200 million events per hour per region and publishing them downstream to third-party analytics and reporting tools.  
My work consisted of **maintaining** and **developing** new features on sync microservices that handle data processing, allowing stakeholders to have more visibility over users' behavior, and making better decisions that shape the company's future. My daily working tech stack included **Golang, Prometheus**, and **Grafana** with a huge infrastructure deployed on **AWS** (EKS, Kinesis, Athena, DynamoDB) and managed by **AWS CDK**.

**Software Engineer**, Remote, CAFU.      Nov 2020 - Oct 2021

I worked on the **New Verticals** team responsible for building and maintaining new products like (**Car Wash, Battery Change, and Tyre Change...**) besides the primary **fuel delivery** product.  
My work involved **architecting** and **implementing** microservices in **Golang** and integrating with some existing services for shared functionality like **authentication** and **payments**. The whole infrastructure was deployed on **AWS** using some primary services (EKS, SNS, SQS, API Gateway, Lambda, S3).

**Software Engineer**, Alexandria, Rubikal.      Nov 2017 - Nov 2020

**Architecting** and **developing** microservices apps implemented in **Ruby** (Rails & Sinatra) and in **Elixir** and it's web framework **Phoenix**; My work involved rewriting some Ruby services into Elixir and also designing a couple of new microservices to accommodate the increase of the number of users who are using our apps including integrating a **Continuous integration** and **Continuous delivery** strategy to make sure we ship stable, performant and well-tested features to production as fast as possible with **zero downtime** while doing A/B testing using feature flags to make sure we don't ship faulty code.

Also worked with the DevOps & Site Reliability team to move from the old regular **AWS EC2** deployment process to a full Dockerized

(containerization) apps and migrate our entire environment (production & staging) fully to **Kubernetes**.

I also did some fair amount of work regarding frontend components implementation using **React** and **Redux**; and helped the team to increase the performance of the frontend apps by adapting best practices like making use of Pure and functional components ...etc.

**Software Engineer**, Alexandria, Accorpa LLC. Feb 2017 - Nov 2017

I was working as a Fullstack engineer maintaining backend APIs (in Ruby/Rails & Node.js) and frontend components (with Angular 1); I was mainly designing the REST APIs and it's respected logic and data models while ensuring the best performance and following best practices. I also implemented a bunch of microservices using Node.js, Socket.io, and Redis to provide realtime functionality for the main Ruby apps.

**Part-time Software Engineer**, Alexandria, Accorpa LLC. Feb 2016 - Feb 2017

## Volunteer Experience

**Developer and Founder**, Sallemli, Alexandria University. Apr 2015 - Jul 2017

Sallemli is a web application that helps students & teachers to manage their courses' assignments & submit them online in a fast & safe way.

**Developer and Co-Founder**, AlexSE/Unipuka, Alexandria University. Mar 2013 - present

An educational website that helps students to find courses materials easily.

## Languages, Tools and Frameworks

PHP, Ruby, JavaScript/Node.js, Elixir, Golang  
Laravel, Ruby on Rails, Sinatra, Phoenix, Express, Socket.IO  
MySQL, PostgreSQL, Redis, Neo4j, RethinkDB  
Elasticsearch, RabbitMQ, Nginx, Docker  
Vue.js, React.js, JQuery  
AWS, AWS CDK, Terraform

## Awards and honors

**First Place In Web Development Competition**, Ministry of State for Youth Affairs. 2014

## Languages

Arabic: Native  
English: Professional  
French: Very Basic knowledge

## Personal

Birth date: 24 July 1994  
Citizenship: Egypt  
Family: Married and have a daughter

Last updated: June 2022