

# Mohamad EL-Chanti

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## PROFESSIONAL EXPERIENCE

### Co-Creator, Software Engineer, *Trellis*

2022

Trellis is an open-source, self-hosted, and low configuration CICD pipeline that deploys serverless applications on AWS

Toronto, Ontario

- Co-created a CICD pipeline for serverless applications using Node.js, AWS CDK, and AWS SDK
- Implemented a build server using Fargate Task that gets its containers from ECR and communicates with AWS Secrets Manager to collect users' confidential information
- Designed and developed a backend that consists of a collection of serverless Lambda functions, an API gateway, and a DynamoDB
- Created a dashboard using React, hosted on AWS S3 bucket and delivered using AWS CloudFront, to abstract away complexities of deploying serverless applications
- Authored a comprehensive case study  on the design decisions encountered while creating the pipeline and the different problems Trellis solves

### Senior Manufacturing Equipment Engineer, *Tesla Motors Inc*

2017 – 2022

- Integrated a VMT system and programmed Fanuc robots to improve the quality of urethane bead application on the roof and windshield glass for Model Y
- Worked with excel VBA to analyze parts introduced with the PLAID launch for Model S and Model X to differentiate them from existing models

Fremont, California

### Android Developer (Intern), *TD Canada Trust*

2013 – 2013

- Worked on the front-end of the application using Eclipse to communicate with JavaScript on the backend to add the “mobile-to-mobile” payment of the TD android application

Toronto, Ontario

## SKILLS

### Back End:

- Node.js
- Python
- Express
- Java
- RESTful APIs

### Front End

- JavaScript
- React/Redux
- HTML
- CSS
- jQuery
- Android Studio

### Other

- Docker
- AWS Services (SDK | CDK | SST)
- GiT
- Heroku
- Digital Ocean

### Databases

- PostgreSQL
- SQLite
- MongoDB
- DynamoDB

## EDUCATION

### SOFTWARE ENGINEERING & FULL STACK DEVELOPMENT, *Launch School*

2022

- Attended a mastery-based education program focused on software engineering fundamentals
- Developed open-source web applications with technologies such as Node, PostgreSQL, React, JavaScript, HTML and CSS

### BASC HONORS MECHANICAL ENGINEERING - MANAGEMENT SCIENCES OPTION, *University of Waterloo*

2017

Waterloo, Ontario

- Awards: Nominated to most innovative award for the fourth-year design project
- Project: Designed a PCBA with Bluetooth capabilities and programmed an Android application to communicate with an Arduino set and control an automated soccer ball launcher.