Mohamad EL-Chanti

✉ m.elchanti@gmail.com   📍 Toronto, Ontario, Canada   in https://www.linkedin.com/in/mohamadelchanti/

○ https://github.com/melchanti   ↖ https://www.mohamadel-chanti.com/

💼 PROFESSIONAL EXPERIENCE

Co-Creator, Software Engineer, *Trellis* ⧉ | 2022
| Toronto, Ontario

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

- 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 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
| Fremont, California

- 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

Android Developer(INTERN), *TD Canada Trust* | 2013 – 2013
| Toronto, Ontario

- 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

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🧠 SKILLS

Back End:	Front End	Other	Databases
• Node.js	• JavaScript	• Docker	• PostgreSQL
• Python	• React/Redux	• AWS Services (SDK | CDK | SST)	• SQLite
• Express	• HTML	• GiT	• MongoDB
• Java	• CSS		• DynamoDB
• RESTful APIs	• jQuery		
	• Android Studio		

🎓 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, | 2017
University of Waterloo | 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.