# Matthew Mullin

## Technical Lead

**Website and Blog:** www.matthewmullin.io

**Nationality**: South African                    **Date of Birth**: 1995-05-05
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## Work Experience

**Technical Lead,** *Zenaptix*                                          **(Stellenbosch) Sept 2019 – Now**

*Technical lead assisting our full stack team in developing solutions for South Africa's largest credit bureau (XDS).*

My primary focus is leading the full stack team, guiding the development and design of solutions that make use of credit bureau data. This involves the entire process from design to implementation to deployments and maintenance.

I have become very familiar with a variety of big data technologies (Elasticsearch, Spark, Kafka) as well as the infrastructure and operations of a cloud based microservice ecosystem (AWS, Kubernetes, Docker, Helm) and the security around it.

Our full stack solutions are primarily built using Typescript with React and Node JS.

**Full Stack Engineer,** *CH Consulting*                                **(Stellenbosch) 2017 – 2019**

*Full Stack Business Systems developer at an Accounting, Tax and Business consulting firm.*

I was the primary developer so I early on learned how to find new technologies to build the various products we were developing.

As we were a small team (2 developers), I played a large role in client interaction, and was part of the company's strategic team. Since arriving I saw the company grow from three employees to seven, and it has since grown.

The technology used primarily consists of Angular 2+ for frontend web applications and Flutter for cross platform mobile applications.

The backends were built using Node JS with Google Cloud Functions / Firebase Functions.

I am very proficient with this stack and comfortably know my way around it.

**Vacation Work,** *Entelect*                                          **(Johannesburg) 2015**

I was invited to do an internship after making it to the finals of the 2015 Entelect 100K Challenge - a coding challenge to build an AI for a space invaders like game.

Entelect are well known as one of South Africa's top software engineering firms.

## Education

**Bachelors of Electrical and Electric Engineering,** *Stellenbosch University*     **(Stellenbosch)  2014 – 2018**

My thesis was on Image Recognition using Autoencoders - a type of neural network. I passed all my modules comfortably and averaged around 60% while balancing part time work at CH Consulting throughout my final year (20-30 hours weekly).

**Technology**

### Proficient

| | |
|---|---|
| TypeScript / JavaScript | Node JS |
| Angular 2+ | Kubernetes |
| React | Docker |
| Flutter | Helm |
| Google Cloud Platform | |

### Familiar

| | |
|---|---|
| Java (Scala and Kotlin) | Nifi |
| Vue | Kafka |
| Elasticsearch | SQL (Postgres, CloudSQL, BigQuery) |
| Spark | Amazon Web Sevices |

**Achievements**

### General

University Residence Hockey Player of the Year (Huis Marais – 2015)

Entelect 100K Challenge Finalist (2015)

Van der Stel Hockey 1st XI (2016-Now)

### High School

Academic Scholarship

School Prefect

Academic Honours - Including 7 Distinctions for Final Exams

Sport Colours – First XI Hockey and Cricket

**References**

**CH Consulting** – Chris Herbst (Founder and Director) - chris@chconsulting.co.za

**High School –** Alex Gitlin (Deputy Head) **-** agitlin@uplands.co.za