

# Xiaochuan Zha (Tran)

## Software Engineer

### Contact

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#### Website

[trannzfsg.github.io/resume](http://trannzfsg.github.io/resume)

### About

### Profiles

#### Github

[trannzfsg](https://github.com/trannzfsg)

#### LinkedIn

[Tran Zha](#)

### Work

#### Loan Market Group

Jul 2019 – Present

Software Architect

[www.loanmarket.com.au](http://www.loanmarket.com.au)

Continue project MyCRM (V3), help to drive the migration into modern architecture and tech stacks

#### Highlights

- Re-platform to break down monolith
- CI, CD and infrastructure/config/process as code
- Observability and OpenTelemetry
- Containerisation and Kubernetes cluster
- Tech stack upgrade while continue to deliver features and improvements
- Production incident management, assist to refine release process and branching strategy
- Drive tech roadmap according to business roadmap
- Assist onshore team expansion
- Assist to transform from Scrums to Shape Up

#### New Zealand Financial Services Group

Apr 2016 – Jul 2019

Software Architect

[www.nzfsg.co.nz](http://www.nzfsg.co.nz)

Launched project MyCRM (V2 & V3) and support migration of ALL and NZ users

Launched project MyCRM (V2 & V3), and support migration of AU and NZ users from previous systems

## Highlights

- API and database development
- Cloud hosting with Amazon web services
- System architect and landing of it
- 3rd party and toolset integrations
- Data migrations
- Enrich ecosystem by implementing serverless stack
- Security audit by PWC
- Offshore dev team expansion
- Scrums and sprints

## LifeDirect / Inform Holdings Limited / Trade Me

Jul 2008 – Mar 2016

Web application developer - Software engineer

[www.lifedirect.co.nz](http://www.lifedirect.co.nz)

Risk insurance end-to-end online services; launched project MyCRM (V1), QuoteMonster, MortgageShield and satellite projects

## Highlights

- Web application development & SPA
- Database and backend development
- Google Analytics and conversion funnels
- Custom built CRM system
- Insurance/mortgage profiling/quoting/servicing engines
- Online applications
- Reporting solution & admin portals
- Fullstack proficient
- On-premise hosting solution and operations for small team
- Products built kept expanding, after company merged and acquired multiple times

## Education

### University of Auckland

Jan 2001 – Jan 2004

Computer Science

[www.auckland.ac.nz](http://www.auckland.ac.nz)

Bachelor

### University of Auckland

Jul 2005 – Jul 2006

Computer Science

[www.auckland.ac.nz](http://www.auckland.ac.nz)

Postgraduate Diploma

## Projects

### MyCRM

Aug 2016 – Aug 2016

Team lead, Designer at Smoogle

[missdirection.example.com](http://missdirection.example.com)

A mapping engine that misguides you

## Highlights

- Won award at AIHacks 2016
- Built by all women team of newbie programmers
- Using modern technologies such as GoogleMaps, Chrome Extension and Javascript

## Skills

### Architecture diagrams & documentation

draw.io   confluence  
pitch writing

### Web application development

HTML   CSS   Javascript   React

### Data lake & data warehouse

Data lake - AWS S3 / Google cloud storage  
ETL - AWS Glue / Spark / Google Jobs  
Data warehouse - BigQuery / Redshift  
Visualisation - Google data studio

### Serverless architecture

Serverless framework   Lambda  
CDN / Edge computing  
Static website hosting

### Infrastructure automation

Terraform   Kubernetes  
Amazon Web Services  
Google Cloud Platform

### API development

C#   .Net   NodeJS   REST  
RPC

### Relational & NoSQL databases

MS SQL Server   PostgreSQL  
DynamoDB

### Containerisation & orchestration

Docker   Container registries  
Kubernetes

### Event driven architecture

Pub/sub   CQRS  
Queue / Notification services

### Continues integration & continues delivery

Bash scripting  
Github actions / CircleCI / AppVeyor  
Octopus / CodeDeploy   Sops  
DbUp   Redgate

## Tracing and monitoring

OpenTelemetry

Instrumentation

SLA/SLO/SLI

Visualisation & alerting

Dynatrace

Honeycomb

## Version control & branching strategy

Git

Github

Trunk based development

Gitflow

Feature / release toggles

## Languages

### English

Fluent

### Mandarin

Native speaker

## Interests

### Basketball & NBA

Once a week casual games

Following NBA games

### Reading & podcasts

History

Personal development

Technology & science

### Science fiction, fantasy, movies/series, games

Star wars

Blizzard

## References

CTO of Loan Market Group - contact details are available on request

— Jakob Hojgaard

Supervisor/boss from 2008~2019 - contact details are available on request

— James Punnett