

# Xiaochuan Zha (Tran)

## Software Engineer

### Contact

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### About

### Profiles

#### Github

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

#### LinkedIn

[Tran Zha](#)

### Work

#### Loan Market Group

Jul 2019 – Present

Senior software engineer

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

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

#### Highlights

- Re-platform from monolith to multiple services
- 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

Senior software engineer

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

Launched MyCPM migration to cloud, migration of ALL and NZ users from legacy

Launched MyCRM, migration to cloud, migration of AO and NZ users from legacy 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

Software engineer

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

Risk insurance end-to-end online services; launched project MyCRM (legacy), QuoteMonster, MortgageShield and other 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

Apr 2016 – Present

Senior software engineer at Loan Market

[mycrm.finance](http://mycrm.finance)

Grow your business and save time with MyCRM, a cloud-based, ready to plug in application. Track sales, nurture leads, and manage your secure database from anywhere.

## Highlights

- Technology platform of the year (2019, 2020) - Australian Broking Awards
- Fully cloud based (AWS)
- Integrate with numerous external services

## LifeDirect

Jul 2008 – Apr 2016

Software engineer at Inform Financial Services Ltd

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

Compare insurance quotes with LifeDirect. Use our free online tool to build and compare insurance quotes and then apply online today!

## Highlights

- Being acquired twice
- Comprehensive quoting and application form engine
- Full end-to-end online risk insurance experience and after sale care
- Extensive backend reporting and administrative functionalities

## MyCRM (legacy)

Jan 2010 – Jan 2012

Software engineer at New Zealand Financial Services Group

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

All-in-one platform for mortgage and insurance advisers

## Highlights

- Developed from scratch and sold out to NZFSG
- Operated efficiently for more than 10 years, until replaced by next generation of itself
- Multiple small projects inside, e.g. commission system, loan servicing engine, insurance quoting engine, loan/insurance profiling engine, document management engine, workflow automation engine, dashboard/reporting engine, mass email comms engine, etc.
- Done by a lean development team (1-2 devs only) over a relatively short period (2 years)

## Skills

### Architecture diagrams & documentation

draw.io confluence

pitch writing

### API development

C# .Net NodeJS REST

RPC

### Web application development

HTML CSS Javascript React

### Relational & NoSQL databases

MS SQL Server PostgreSQL

## Languages

## Interests

### 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

### Tracing and monitoring

OpenTelemetry   Instrumentation

SLA/SLO/SLI

Visualisation & alerting

Dynatrace   Honeycomb

### English

Fluent

### Basketball & NBA

Once a week casual games

Following NBA games

### Science fiction, fantasy,

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

### Version control & branching strategy

Git   Github

Trunk based development   Gitflow

Feature / release toggles

### Mandarin

Native speaker

### Reading & podcasts

History   Personal development

Technology & science

## References

Technology director - contact details are available on request

— Andrew Brown

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

— James Punnett