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# Nathan Collins - Senior Full Stack Developer

* 15+ years experience as a software engineer in various industries.
* Full stack skill-set with a concentration on front-end engineering in the last 5 years.
* Become more active in the open source environment again.
* 10+ years using linux operating systems.
* Unix commands line experience
* UTS Lucy Graduation mentor program.

# Skills

* Architectural Pattern - Model View Controller, Restful API design patterns, Service layer, Uni data flow.
* Scalable Architecture - Stateless design, Load balancing, Map Reduce, Domain Driven Architecture, BFF microservice data design, MIcroservice design.
* Methodology - Advanced Agile, Scrum, Cross-platform development, Scrum master.
* Code review - Software quality assurance, Maintainability.
* Repositories - Github, Gitlab, Bitbucket, Team Foundation.
* Code editors - Vs code, Intellij, Php Storm, Web Storm. (many others but a bit out of touch)
* Standards - Coding standards and testing implementation (UI, unit and integration)

# Tools

* Framework/Libraries - ES6, ES7, ES8, Polymer, LitElement, Dart, React, Node.js, Express, JAVA, PHP, Laravel, Code Igniter. Ruby, jQuery, Electron, Docker.
* CSS Framework/Libraries - Bootstrap, CSS Grid, Flexbox.
* Environment - Firebase, Google cloud services.
* Databases - Mysql, Postgres, Firestore, Real time database, Google cloud, MongoDB, Couchbase, AWS, MSSQL, Kafka.
* Automation software - Webpack, Gulp, Jenkins.
* Testing Suite - PHPUnit, Codeception, Mocha, Chai, Sinon, Selenium.

# Experience (Tools)

* Javascript - 10 years
* Polymer - 5 years (version 0.5, 1.0, 2.0 & 3.0)
* Angular - 1.5 years (versions 1 & 2)
* Lit - 3 years
* NodeJS - 2.5 years (ES5, ES6, ES7, ES8) including Electron & Cordova
* React - 2 months
* JQuery - 6 years
* PHP - 12 years (version 3, 4, 5 & 7)
* Dart - 12 months
* Java - 1 year

# Experience

## ING

Senior Software Engineer *October 2019 - Present*

## Unattended Technologies

# Aroma

Technical Lead *August 2018 - August 2019*

## Eyeonit, Maroochydore Queensland

Frontend Developer *January 2017 - August 2018*

## University of Southern Queensland

Frontend developer (Short term contract) *December 2016*

## Square Cloud - NDIS API implementation

Software engineer (Short term contract) *October 2016*

## CV - Yesheis

Full stack Developer *August 2010 - July 2016*

# Projects

## ING, Apply registration form, Remote work

Senior Software Engineer *July 2021 - Present*

* High priority team always under pressure
* Strict testing process
* Complex form structure with multiple logic variations
* Connection to global systems
* Working with remote team
* Agile processes in a large team

## ING, Transaction alerting system

Senior Software Engineer *February 2021 - April 2021*

* Working directly with regulators
* Reverse engineer very old legacy data systems
* Reverse engineer data structure
* Minimal documentation for direction
* Complex sql queries for investigation
* Backfill data and reporting

## ING, Document repository system, Remote work

Senior Software Engineer *January 2021 - July 2021*

* Global document repository system
* Kafka data streams
* Scrum master role

## ING, Encryption Management System, Sydney, NSW

Senior Software Engineer \_November 2020 - January 2021

* Creation of a platform based form system to speed up development within a large company
* Webpack
* npm collaborative repositories
* Storybook demos
* Agile environment
* Platform based software using the latest technology (LitElement)
* High level of testing tools
* Peer reviews
* Staff training for LitElement
* First in the country for the business to implement native javascript.
* Implement standard and testing standards, shared libraries and coding standards.

## ING, Frontend platform

Senior Software Engineer *October 2019 - Present*

* Delivery of forms quickly for internal projects
* Conventional commit process
* npm version controlling
* Continuos integration and deployment process
* Git branching and tag management
* Reusable component design
* Repository inter-changeable design
* High level documentation
* Continued support

## Aroma, Noosa, Queensland

Technical Lead *August 2018 - August 2019*

* Asset management system initially designed for vending machines, with the design to make it available for all unattended assets.
* Agile environment team lead with a mentor to guide and help through agile processes.
* Progressive web application. (NodeJS, Polymer, Firebase, Firestore, Mysql migration)
* Extremely complex application to allow for a worldwide of scenarios.
* Startup application designed to scale but to also develop quickly.
* Event driven system with 7 different log environment. (Firestore moved to Big query)
* Coding standards, documentation and testing implementation (UI, unit and integration)
* Code review procedure
* Staff training
* Redux
* Socket driven database

## Eyeonit, Maroochydore Queensland

*January 2017 - August 2018*

* Coding standards, documentation and testing implementation (UI, unit and integration)
* Code review procedure
* Staff training
* Hiring a frontend team
* Agile environment

### Eyeonit, MyCtars

Frontend Developer *November 2017 - December 2017*

* Health NDIS startup app designed to help a person manage their NDIS account for ctars.
* Desktop and mobile application. (React, API integration, PWA, Accessibility integration, Flexbox)
* Greenfields app that integrated with existing client database through an api. (.net & NodeJS)

### Eyeonit - Mobile & Desktop app personalised dashboard prototype

Software engineer *October 2017 - November 2017*

* A mobile app designed to showcase our AgentQ product in a mobile phone or a desktop environment, the app was personalised for each user when they received a call through the TIPT service.
* Develop a desktop environment that can be used in Windows, Linux and Apple. (Electron, PWA, Polymer, CSS, API, Node, ES6)
* Develop a mobile environment that can be used on many devices. (Cordova, PWA, Polymer, CSS, API)
* Live interactive charts so a managers could view changes on a call quickly. (Google charts)

### Eyeonit - Audit Portal

Frontend Developer (Software engineer) *January 2017 - August 2018*

* Audit management portal designed to help telstra maintain audit procedures.
* Created authentication using OAuth2. (Polymer, .net)
* Config file to generate all audit procedures.
* Easily customisable.
* Connection to API (.net)
* Redux state system

## Profiling application - University of Southern Queensland (Contracted position)

Frontend developer *December 2016*

* Create a mobile application for profiling primary students.
* Animated screening project that allowed a user to select multiple options. (Nodejs, Angular, MongoDB, CSS)
* Multimedia implementation to guide students through the process.
* Unit and UI tests.

## Italic Creative - NDIS application (Contracted position)

Frontend Developer & Testing implementation Software engineer *November 2016 (1 month)*

* Implement tests to add confidence in the application. (Chai, mocha, sinai)
* Integrate Continuos integration the repository. (pipelines, github)
* Fix up existing bugs in the system and correct styling. (Polymer, )

## Square Cloud - NDIS API implementation (Contracted position)

Software engineer *October 2016 (1 month)*

* Implement an API for the upcoming client. (PHP, Laravel, Swagger)
* Restful service api design

## Yesheis mobile and desktop applications

Full stack Developer *August 2010 - July 2016*

* Version 1 of the website. (Drupal, mysql)
* Version 2 of the website. (Laravel, API driven)
* Statistics storage, retrieval and synchronisation. (Mysql, Couchbase)
* Social integration and authentication. (Disqus)
* Internationalization - We supplied a service for 13 different countries. (Drupal, Laravel, Jquery, SCSS)
* Scaling for 80,000 users a second. (Varnish, Caching, Load Balancing, Minification)
* Continuos integration. (Team city, Ansible)
* Local environments to match live server environments. (Ansible)
* Content aggregation for many different countries.
* Centralised translation service so any person can translate.
* Video aggregation through many different services. (You tube, Vimeo, Youku, etc….)

## Customised statistic service

* Version 1 (Vanilla PHP, Mysql, Load Balancing)
* Version 2 (Vanilla PHP, Couchbase, Replication)
* Statistics storage, retrieval, synchronisation & replication

## Yesheis.com API

* The api to connect to mobile and web application. (Laravel, Mysql)
* 3 versions of the api for multiple services.
* Central Authentication.
* Multilingual & Internationalisation.

## Show2.me website - Branding website for yesheis

* Version 1 of the website. (Laravel, Connecting to yesheis API, jquery, Bootstrap)
* Content video aggregation.
* Social integration. (Twitter, facebook, baidu, weibo)