Personal Details

- **Name:** Michael Nahkies
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- **Location:** London, United Kingdom
- **Nationality:** New Zealand
- **Visa Status:** Tier 5 working visa through to June 2020 (require Tier 2 sponsorship for next role)

Skills Overview

- Highly skilled in general full stack web development using Typescript/Javascript, NodeJS, Postgresql and Angular
- Team/Tech lead experience following scrum/agile methodology (sprint planning, retrospective facilitation, priority management)
- Broad range of general experience (and passion!) in other technologies: Java, Kotlin, Python, AWS, Kubernetes, Linux

Work Experience

Connectt, Oct 2018 - Dec 2019

Senior Software Engineer / Tech Lead

Primarily responsible for architecture, and leading development of a greenfield Angular application powering a social media platform. Some interesting aspects of this application were that a single build/artifact needed:

- To be configurable for different environments (development/staging/production)
- To be white labeled for many customers, without running instances dedicated to a particular customer

I was able to achieve this through the use of Angular Universal / server side rendering to configure the application on the fly based on the incoming request. This gave a lot of flexibility, and allowed a single docker image to be promoted through environments until it reached production.

In addition to responsibility for the frontend, I contributed heavily to development of various backend micro-services written in Java using Spring Boot, and NodeJS with Express. These were generally fairly straight forward CRUD services.

I worked closely with product to deliver small increments of functionality on a regular cadence.

Through this role I have also become comfortable with the use of various AWS services, and Kubernetes.

Primary Technologies

- Typescript with Angular and NodeJS
- Java with Springboot
- Postgresql
- Docker / Kubernetes
- Various AWS Services
    - S3 / Cloudfront
    - Cognito
    - DynamoDB
    - SQS / SNS
    - ECR
    - Lambda
    - Neptune

Telogis / Verizon Connect, Dec 2013 - May 2018

Graduate Developer 1 year, 8 months
Intermediate Software Development Engineer 1 year 4 months
Development Team Lead 1 year, 8 months

I primarily worked on their hours of service offering, which is a mobile app that integrates with a black box attached to a vehicle to automatically record driver hours in compliance with the electronic logging device regulations in the USA. This also included the back office interfaces for reporting and monitoring of driver behavior by supervisors, and various micro-services to facilitate this.

There were also periods during this time where I was sequestered to other projects, including an instant messaging proof of concept, and a bespoke work order management application for a large customer with specialized needs.

My role as development team lead was very broad. I had the opportunity to work closely with business analysts processing product requirements into specifications and finally into actionable stories and epics. At the same time I was responsible for shaping the overall architecture of our system, and liaising with other teams where required.

This role has made me adept at Typescript/Javascript development for both Web Browsers and NodeJS, Postgresql and RabbitMQ.

Primary Technologies

- Typescript / Javascript for both browser and NodeJS, C#
    - Wrote various micro-services to provide supporting apis for mobile applications, and perform real time data processing
    - General Web application development, primarily using the ExtJS framework
- Postgresql
    - Schema/Table Design
    - Stored procedures
    - Primary contributor to an internal npm package for standardized connection management, statistics/logging, and calling of stored procedures
- Rest, RabbitMQ and SOAP
    - Used in micro-services to propagate data to other services using JSON, protobuf or XML

Supporting Technologies

- Linux
- Chef / Runit, Docker / Kubernetes
- Checkmk
- Grafana, Influxdb
- Kibana, Logstash

Additionally I'm well acquainted with general software development tooling such as VCS (Mercurial, Git), build tools, and debuggers.

I'm a strong advocate for continuous delivery, and during my time as team lead made continuous steps towards achieving a regular release cadence, to minimize risk through large releases. As a team we also implemented the use of sprints and other aspects of agile methodology such as retrospectives, team story elaboration, and bug triage. Over time this improved our estimates vastly and allowed us to deliver to tight deadlines.

Global Campers, January 2013 - December 2013

Web Developer (PHP)

During my final year of university I worked part time (20 hours / week) as an web developer for a small camper van broker. They had an existing in house web framework written in php, and I was responsible for maintaining and extending this.

In addition to the standard bug fixing I implemented a variety of new features including a caching system, spam prevention, interchangeable template support, and a ferry booking system.

Hobby Experience / Community Involvement

Whenever the need arises I always look to contribute patches upstream to the many open source libraries we use during our day to day work. I've also published a handful of npm packages, enjoy attending conferences and meet-ups, and partaking in programming challenges or hackathons.

- **Github:** http://github.com/mnahkies
- **NPM:** https://www.npmjs.com/~mnahkies
- **StackOverflow:** https://stackoverflow.com/users/1445636/michael
- **CodingGame:** https://www.codingame.com/profile/6ce07e5bcba5d915416ae5a1a5e532f68225461

I have also published a small, very niche Android app which is available here:

https://play.google.com/store/apps/details?id=nz.co.nahkies.buyvmservermanager

Education

University of Canterbury, New Zealand (2011-2013)

Bachelor of Science in Computer Science
GPA Average: 7.47 / 9

Awards / Honors:

- 2013 Invitation to join the Golden Key Society for being in top 15%
- 2013 Deans Congratulations award for excellent academic performance
- 2011 UC College of Engineering Computer Science Scholarship

This is equivalent to level 6 under the European qualifications framework as per this joint technical report

https://www.nzqa.govt.nz/assets/About-us/Our-role/international-ed/EQF-NZQF-comparative-analysis/3254-NZQA-Comparability-EC-NZQA-Joint-Report-FINAL-R2-online-version.pdf

References

Please find a reference written by my direct manager from my time at Telogis on my LinkedIn profile, as well as several other recommendations from former colleagues.

https://www.linkedin.com/in/michael-nahkies/

Additional references/contact details available on request.