ROMAN KISIL

Full-Stack JavaScript / TypeScript Developer & DevOps Engineer

Experienced Software Engineer with a strong passion for
NodeJS, Systems Architecture & Security, Open-Source, Learning and Mentoring.

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KEY SKILLS

- Master at **JavaScript** and **TypeScript** programming languages.
- Advanced expertise with building low latency **scalable Microservices** and **RESTful APIs** on the **Cloud** using **NodeJS, Docker Containers** and **Kubernetes**.
- Extensive experience Designing and Implementing complex **System and Networking Architectures**
- Excellent knowledge of **Angular, Ionic, Electron** Front-end Frameworks.
- Experience of using and maintaining storage solutions like:
  NoSQL: MongoDB, Redis and **SQL: MySQL, PostgreSQL, TimescaleDB**
- **Continuous Integration & Delivery** using services like GitLab, Travis-CI or Jenkins
- Background in writing **Unit Test** with **Karma** and **Jasmine**
- Not a stranger to many other object oriented programming languages, particularly **Swift** and **Objective-C**.
- Strong **Algorithm implementation** and **optimisation** skills.
- Excellent coding style and **source control** habits.
- Talent to pick up new subjects, technologies and sciences in a breeze.

RELEVANT WORK EXPERIENCE

- **Lead of Back-end Software Engineering & DevOps** at 37x Ltd.
  February 2018 - Present

At 37x we've built an AdTech **SaaS product** for Media Publishers and AdOps Teams.
37x is a Greenfield Start-up with a small development team. Having a small team has pushed us to automate and optimize our workflow and operations to the very edge. We use **Kubernetes Clusters** on **Google Cloud Platform** to automatically scale our Services in order to adapt to our client's demands.
At 37x I am responsible for:

- **Microservice System Architecture**
- Developing **APIs** and back-end services using **TypeScript** and **NodeJS**
- Managing our **TimescaleDB** database capable ingesting **billions of row per day**
- Hosting all Services on **Kubernetes** with **Docker**
- Securing communications and client data with the latest encryption technologies
- Developing & Maintaining our GitLab **CI/CD** Pipelines
- Project Management

- **Lead Full-Stack Web Developer** at 30m Ltd.
  February 2017 - February 2018

I've joined the 30m team to automate redundant work. Previously, the team had to manually collect Financial Information from a dozen different sources to analyse and make crucial business decisions.
I've used **NodeJS**, **TypeScript** and **Kubernetes** to develop a fully automated system that used available **API's** and **Scraped** all the information needed in a matter of seconds, Analysed the data and shown it in the most convenient way so that the company could make much quicker decisions and gain a competitive advantage. I then went a step further and developed a **real-time Analytics Engine** that accurately predicted our Advertisement Revenue and automatically adjusted our Spend.
This allowed our business to instantly adjust to the market and have a consistent return on investment.

- **Full-Stack Web Developer** at Potential Investments Ltd.
  November 2016 - February 2017

I was initially hired by Potential to develop mobile apps for their existing and future projects. After a couple of mobile & web apps were released I was promoted to a Lead Developer for one of the internal teams at Potential. My new role revolved around creating a new set of Financial, Analytical and Reporting tools for the team.
At Potential I learned a lot about the **Cloud**, **Continuous Integration / Delivery**, **DevOps**, **Kubernetes** and building scalable solutions that guarantee data integrity.

- **Full-Stack Software Engineer** at Public Sector Software Ltd.
  September 2015 - October 2016

At "Public Sector Software Ltd." I was responsible for developing and maintaining a set of Mobile (iOS & Android), Web Applications and **APIs** (using **AngularJS**, **Ionic**, **NodeJS** and **SQL**)

I was also maintaining an existing SQL Database with more than **100M Highly relational row entries**.
When I joined the company I was working alongside a very experienced Senior Developer, from whom I acquired a lot of experience in Security, Scalability and Database Management.
After six months, I had to replace him and take the position of a Lead Developer.

PERSONAL PROJECT PORTFOLIO

During the past 5 years I developed a couple of individual and commercial projects. Please view some of my Open-Sourced code on **https://github.com/nodeful** Here is a quick brief about the applications I've worked on:

eqMac – is an Open-Source System-Wide Audio Equalizer for the macOS Platform. First version was developed in mid 2015 using **C++** and **Objective-C** and released to the public as a free download from my website. Somehow "eqMac" got very popular, I managed to get 120k+ downloads just from my website, which pushed me to develop a second iteration of the app.
"eqMac2" was released in July 2017 as an open-source project and on the time of writing has **380k+ downloads** and **1.2k+ stars on GitHub**.
Currently, I am in a process of rewriting eqMac in **Swift** into a new and improved version and making it commercially successful. You can check out eqMac2 by going to **https://bitgapp.com/eqmac**

EDUCATION

First Class Bachelor of Engineering degree

"Computer Hardware and Software Engineering"

Coventry University (Coventry, UK) 2012-2015
Subjects studied:

- Object Oriented Programming
- Computer Architecture
- iOS Development
- Networking Architecture
- Digital Systems,
- Electrical Engineering
- Engineering Mathematics

ABOUT ME

I am **very passionate** about Software Development. I code during the day, evening and night. Throughout my life I have been always known to have **outstanding logical thought process.**
I would say my best characteristic is my ability to **take on absolutely any challenge**, no matter the complexity or experience I have in the field. I never feel afraid to try something new, as it only excites me.
I am a **strong team player**. Usually I take on a role of the **team leader**. However, I always welcome people with more experience and insight to take control over the team in order to achieve better results.
I can easily work under time pressure and produce good quality results at the same time.
I live in Sutton Coldfield, ride motorcycles and fluent in 3 languages.