MAX GUGLIELMI

Software Engineer: Javascript – Full-Stack Developer

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Place of birth:	Sydney – Australia
Citizenship:	Italian / Australian

PROFESSIONAL EXPERIENCE

Insightsoftware – Calumo, Sydney – Australia
Calumo provides automated reporting, planning, and budgeting solutions to enhance corporate performance management

July 2020 – Present: Senior Software Engineer

Front-end centric role, focusing on porting current budgeting / forecasting web app into a react ecosystem.

- Duties and responsibilities:
    - Design, development and delivery of next generation of the web app
    - Architectural work laying down foundations of new web app based on react / redux / saga technologies model
    - Onboarding / mentoring junior devs to contribute to development phase of new web app
    - Bug fixing and feature implementation on legacy web app
- Main achievements:
    - Launch of beta version of new web app, deployed to a subset of customers
    - Onboarded a team of 3 junior devs

Nearmap.com, Sydney - Australia
Australia's leading provider of high-resolution aerial imagery, 3D maps and geo-spatial data

September 2019 – April 2020: Software Engineer, Apps Team

Front-end centric role, focusing on the next generation Mapbrowser using ReactJs, OpenLayers and CesiumJs.

- Duties and responsibilities:
    - Implementation of new features in Mapbrowser, enhancements and bug fixing
- Main achievements:

- o Development and enhancement of 3D maps tools, line and area drawing features (CesiumJs)
- o Contributed to transition web applications codebase from a multi-repository to a mono-repository model (yarn/lerna, CircleCI)

July 2016 – September 2019: Software Engineer, Business Enablers Team

Full-stack role with focus on client-side technologies. Contributed to the enhancement of a microservice architecture (30+ C# microservices) and to the development of administration portal SPAs.

- Duties and responsibilities:
  - o Design and implementation of REST based WebAPIs in C# .NET
  - o Design, development and maintenance of administration portal SPAs (AngularJs, Javascript, Node, Webpack, Babel, npm)
  - o Bug fixing, enhancements and refactoring both on server-side and client-side projects
  - o Helping out colleagues in front-side technologies
- Main achievements:
  - o Developed and/or contributed to all sections of the administration portal: user dashboard, account and user administration
  - o Implemented administration portal usage information visualisation (angular-nvd3)
  - o Introduced standard front-end tooling (Webpack/Babel) to administration portal codebase
  - o Contributed to the introduction of API Keys both at the microservices and front-end level to allow customers access imagery and use public APIs in a streamlined way
  - o Contributed to the introduction of delegated authentication flows, mostly on the client-side work on IdentityServer3 (C#, OIDC protocol)

February 2012 – July 2016: Front-end developer, Front-end Team

Worked on the development of the company website, and Mapbrowser – the flagship product at that time.

- Duties and responsibilities:
  - o Development and maintenance of 2 generations of company website (Flask/Python and previously Kentico CMS/.Net C#)
  - o Mapbrowser new features development and maintenance (Javascript)
  - o Bug fixing, enhancements and refactoring
- Main achievements:
  - o Mapbrowser:
    - Introduced an authentication and authorization layer for accessing the photomaps, as part of the paywall rollout (Javascript/AJAX)
    - New features and components development (Javascript)
    - Transitioned from in-house library to Google MAPs V3 library to take advantage of a whole set of features, as geocoding search, GeoJSON data layers, elevation information, drawing tools etc.
    - Introduced an automated CI workflow based on Grunt/Node.js to allow deployment in different environments (DEV, QA, PROD)

- Abstraction work to support not only Google Maps but also other libraries such as OpenLayers and Leaflet (remained prototype)
  - Website:
    - Developed the ecommerce sign-up flow, front-end and server-side (Flask/Python - previously Kentico CMS/.Net C# - and jQuery/RecurlyJS)
    - Account administration section, front-end and website server-side (Flask/Python - Kentico CMS/.Net C# and Javascript/jQuery)

Single Buoy Moorings, Principality of Monaco
A supplier to the offshore oil and gas industry on a global basis

<u>January 2009 – January 2012</u>: Development Engineer, IT Department – Development Team

In charge of the development of in-house applications.

- Duties and responsibilities:
  - Involved in all aspects of the software lifecycle: requirements analysis, design, development and installation
  - Main duties included development of web applications accessed via the corporate intranet
  - Worked with .Net C#, Classic ASP and MsSQL Server technologies
  - Providing expertise to my colleagues in client-side web technologies such as Javascript, AJAX libraries, DOM and HTML/CSS

<u>March 2002 – January 2009</u>: Webmaster, IT Department – Multimedia Team

Responsible for managing all aspects of the intranet and corporate websites:

- Duties including coding, updating contents, writing scripts (ASP classic)
- Co-ordinating input and information from projects/departments for internal communication on the intranet and external communication on the website
- Development and rollout of intranet websites and corporate websites for other companies of the group
- Generating website and intranet usage reports (Webtrends)

TECHNICAL SKILLS
- Languages: Javascript, Typescript, Node, C#, Python and also in the old days Classic ASP, PHP, ActionScript, XML / XSL
- Frameworks/libraries: AngularJs, ReactJs, Flask, IdentityServer3, oidc-client-js, Google Maps API, OpenLayers, Leafletjs
- TDD: jest, mocha, chai, sinon (javascript), enzyme (ReactJs) – NUnit, Moq (C#)
- Development IDEs: Visual Studio Code, Sublime, Visual Studio for C#
- Version Control: Git, GitHub and previously TFS
- Working experience with continuous delivery in an agile environment, including both sprint and Kanban
- Code quality: peer code reviews, GitHub workflow

PERSONAL FUN PROJECTS

- *TableFilter*, a modernised version of the *HTML Table Filter Generator* using ES6/Babel/Webpack for transpiling and packaging the library (https://www.tablefilter.com/). It supersedes the *HTML Table Filter Generator*
- *HTML Table Filter Generator*, an open source javascript project generating column filters components for HTML tables (http://tablefilter.free.fr) - Started in 2006 and still alive!
- *ezEditTable*, a javascript project aimed at enhancing regular HTML tables by adding features such as inline editing components, advanced selection and keyboard navigation (http://edittable.free.fr)
- *{Keyworder}*, a jQuery plugin providing an easy way to manage content keywords, acronyms and abbreviations in a tooltiped way (http://mguglielmi.free.fr/scripts/keyworder/)
- *EasyWeather*, a jQuery weather plugin unifying different weather services in one tiny widget (http://mguglielmi.free.fr/scripts/easyweather/)

PERSONAL QUALITIES

- Autonomous, rigorous and able to work as a member of a team
- Able to adapt to and communicate in multi-cultural environments
- Open minded and non-judgemental

EDUCATION

International University of Monaco, Principality of Monaco

- 2000: Master in Business Administration – IT Major

University of Nice-Sophia Antipolis, France

- 1998: Bachelor of Arts with Honors in Modern Literature

LANGUAGES

- Italian: mother tongue – French: fluent – English: fluent – Spanish: intermediate level

LIFE PATH

- Born in Australia
- Grew up in Africa until 18 years old – Nigeria, Tunisia, Congo (Brazzaville), Egypt
- Moved to Europe and have resided in France, Italy and Spain
- Residing in Australia since 2012

SPORTS & HOBBIES

- Tennis, jogging, snowboard, skateboard
- Travels around a pre-pandemic world!