

MOHAMED BANA — FULL STACK SENIOR SOFTWARE ENGINEER — CV

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I am a well-rounded Software Engineer, with around 9-10 years of Software Development experience. I understand what it takes to release a product having worked on the back-end, front-end, testing and finally the deployment aspect of several products.

1 WORK EXPERIENCE

1.1 FULL STACK GO AND VUE.JS DEVELOPER, OPEN BANKING LIMITED, ST KATHARINE'S & WAPPING, LONDON, UK - 08/05/2018–01/01/2020

Tech: Go, Golang, Node.js, [Vue.js](#), [Vuex](#), Jest, Docker, Docker Compose, Kubernetes, [OpenID Connect](#), [JSON Web Token \(JWT\)](#), [Kompose](#), [CircleCI](#), [Swagger](#), WebSocket, Bitbucket Pipelines, OpenAPI 3.0, <https://bitbucket.org/openbankingteam/conformance-suite>, <https://hub.docker.com/u/openbanking/>.

1.2 SENIOR ENGINEER (CONTRACTOR), 90POE - NINETY PERCENT OF EVERYTHING LIMITED, MARBLE ARCH, LONDON, UK - 01/02/2018–20/04/2018

Tech: Go, Golang, [gRPC](#), [go gorilla/mux](#), Protocol Buffers, [GORM](#), MongoDB, [MongoDB GridsFS](#), [mgo](#), [GraphQL](#), [graphql-go](#), Docker, Docker Compose, Kubernetes, NodeJS, Jest, [Concourse CI](#), Postgres.

1.3 FULL STACK DEVELOPER (CONTRACTOR), ROOT CAPITAL LLP, LONDON BRIDGE, LONDON, UK - 09/10/2017–24/12/2017

Tech: JavaScript, ES6, Node.js, react, react-redux, [react-boilerplate](#), Webpack, [Koa](#), [Knex.js](#), Sequel Pro, Docker, Docker Compose, Kubernetes, [Semaphore CI](#), [Wercker](#), [Amazon S3](#), [Amazon CloudFront](#)

1.4 FULL STACK NODE DEVELOPER (CONTRACTOR), LLOYDS BANKING GROUP PLC, LONDON BRIDGE, LONDON, UK - 20/03/2017–22/05/2017

Tech: JavaScript, Node.js, ES5/6-based code base, [LoopBack](#) for server-side of the code, [SysLog](#), [Splunk](#), [Jenkins](#), [Jenkins 2](#), [Gerrit Code Review](#), [IBM Bluemix](#)

1.5 SENIOR FRONT-END ENGINEER, SYNTHACE LTD., KING'S CROSS, LONDON, UK - 13/04/2016–04/11/2016

Tech: JavaScript, ES6, [Polymer Project](#), [Web Components](#), TypeScript, VSCode, Azure, Docker, Kubernetes, Go, [Polymer Web Component Tester](#), Git, Swagger.

1.6 DEVELOPER, IG INDEX LTD. CANNON BRIDGE, LONDON, UK - 09-2014–18/02/2016

1.6.1 JAVASCRIPT DEVELOPER

- Price & Indicator Alerts:* My main responsibility was handling the UI aspect—setting, configuring, triggering—of the various Alerts we support, from the basic Price Alert to Technical Indicators such as RSI and Moving Average. **Tech New:** Modern UI powered by ES2015 (Babel), Ember.js, Handlebars and Less. The UI was then composed of isolated and reusable Ember components. Runs on a NodeJS server, managed with npm and bower, and version controlled using Git. Integration and unit tests written in Mocha then run using Karma. **Tech Old:** Vanilla JavaScript using an in-house framework when changing the previous UI.
- Charts:* Assisted in the conversion of the Adobe Flex Real Time Charts to an SVG-based version. **Tech:** d3 and tested like above.
- Deeplinking:* A hashed action link, like typical deeplinks, that we send to our Clients which then launches the mobile IG app, or directs them to the app store for the device with the IG app pre-selected. Upon login the action is carried out automatically. I did the bulk of the work with the team lead overseeing it. **Tech:** Java 8, Spring and acceptance tested using Cucumber. Redirecting and launching of the IG app was done using vanilla JavaScript.

1.7 SOFTWARE DEVELOPER, ITRS (INTERNATIONAL TRADING ROOM SOFTWARE) GROUP LTD. MOORGATE, LONDON, UK - 02-2010–09-2014

1.7.1 JAVASCRIPT (UI) DEVELOPER, 01/2014–09/2014

Tech: JavaScript, NodeJS, Node-Webkit, Durandal, KnockoutJS, RequireJS, Git, Jasmine, Protractor (WebDriverJS), Jenkins, Bower, HTML5, CSS, LoopBack.io.

1.7.2 JAVA (UI) DEVELOPER - 07/2012–12/2013

Tech: Java, Maven, Swing, Eclipse, Jenkins, Git, Vagrant.

1.7.3 C++ DEVELOPER - 02/2010–06/2012

Tech: C++, STL, Boost, Visual Studio, Linux/Unix, GDB, DBX, Make, Configure, XML,

XPath, CPPUNIT, [Financial Information eXchange \(FIX\) protocol](#), [Geneos FIX plug-in](#), [Feed Latency Monitoring Plug-In](#), [Latency Monitoring - Message Tracker FIX adapter](#), [Market Data Monitor](#), [Geneos PATS-STATUS Plug-In](#), [Patsystem's Trading API](#).

1.8 SOFTWARE DEVELOPER INTERN, THEN TESTER, THOMSON REUTERS. CANARY WHARF, LONDON, UK - 05-2009–11-2009

1.8.1 C# DEVELOPER

Tech: C#, Silverlight 3.0, MS SQL Server 2005, LINQ, Web Services (WCF), XML and Visual Studio 2008. I handled deployment using CruiseControl.NET.

1.8.2 TESTER

User Acceptance Testing of the latest release of Thomson Reuter's 3000 Extra, then called UTAH, now called Eikon. UTAH combines the data from Thomson and Reuters. My primary responsibilities were to validate the end product against pre-defined requirements/workflows. 1. Worked on Thomson Reuters project UTAH as part of a large team. 2. Tasks included testing, observing, documenting software bugs, issues and errors before final release of Utah. 3. Testing was done over multiple iterations.

2 EDUCATION

2005-2008	2008-2009
BSc Computer Science (2.1), City, University of London.	MSc Software Systems Engineering (Attended), University College London, and Trading & Financial Market Structure module, London Business School.

3 INFORMATION

I am looking for a role involving web technologies hosted on a cloud-based backend. I've worked on all the tiers of a software product, so I can appreciate the different concerns expressed at each level. I feel the latest trend in web technologies; quick prototyping, large selection of libraries, ease of programming and its cross-platform support is where the future is heading. This, distributed systems and big data algorithms are where I am focusing my current efforts—all of which are equally interesting to me.

3.1 TECHNOLOGY STACK

I'm flexible in terms of the choice of framework used, however, my ideal role will involve (any of) the following:

- Backend: Ideally Go/Golang as I have good experience with this.
- Frontend: JavaScript or any language that targets JavaScript on the frontend side, my ideal choice would be TypeScript. I would prefer to use Vue.js as the underlying framework that the UI is built with.
- Roles where Linux, Google Cloud Platform/Azure/AWS, Docker and Kubernetes are being used. Open Banking would be a plus.
- I'm up for learning more of Rust. It's just a hobby at the moment.

3.2 ENUMERATION AND JOB PREFERENCES

- Rate:** I'm seeking a daily rate of >£580 per day. I'm willing to negotiate on this.
- Location:** I'm looking for work in the UK, ideally in London as that is where I mainly live.
- Start Date:** I'm available to start immediately.
- Job Type:** I've a limited company called BANAI0 LTD which I started in March 2017 and I've been a contractor since then. I would prefer to stick to contracting but I will also consider a permanent position.

4 ADDITIONAL INFORMATION

Misc	Languages
I have a British Passport.	English and Swahili: Native.
Full UK Driving Licence.	Arabic: Intermediate. I own an apartment in Marrakech, Morocco. I have lived in Cairo, Egypt and have travelled several times to the UAE.