

## Contact

m@bana.io

www.linkedin.com/in/mbana  
(LinkedIn)  
bana.io (Personal)

## Top Skills

Golang  
Full-Stack Development  
Vue.js

## Languages

English (Native or Bilingual)  
Arabic (Professional Working)  
Swahili (Native or Bilingual)

# Mohamed Bana

Full Stack Go and Vue.js Developer  
London, Greater London, United Kingdom

## Summary

Please, ONLY contact me about remote roles that meet these conditions:

- \* Golang/Go roles.
- \* Vue.js roles.
- \* I am up for learning more of Rust. It's just a hobby at the moment.
- \* Roles where Linux, Google Cloud Platform or Azure, Docker and Open Banking are being used.

I kindly request that you respect my requests and do not spam me about roles that don't fit these criteria.

I am a well-rounded Software Engineer, and 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.

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## Experience

### Open Banking

Full Stack Go and Vue.js Developer (contractor)

May 2018 - January 2020 (1 year 9 months)

London, United Kingdom

Golang, Go, Vue.js Full Stack Developer working at Open Banking on a tool that will validate a bank's implementation of the OpenBanking API spec, see:

\* <https://bitbucket.org/openbankingteam/conformance-suite>

\* <https://hub.docker.com/u/openbanking/>

Tech: Go, Golang, Node.js, Vue.js, Docker, Docker Compose, Kubernetes, Kompose, CircleCI, Swagger, WebSocket, Elixir, Bitbucket Pipelines.

### Ninety Percent of Everything

Senior Engineer (contractor)

February 2018 - April 2018 (3 months)

London, United Kingdom

Worked at startup specialising in software that runs on ship on two projects that were heavily Go-based.

Tech: Go, gRPC, Protocol Buffers, MongoDB, GraphQL, go gorilla/mux, Docker Compose, Kubernetes, NodeJS, Jest, Concourse CI, Postgres.

### Root Capital LLP

Full Stack Developer (contractor)

October 2017 - December 2017 (3 months)

London, United Kingdom

Worked as a full stack Node.js developer on the Minds for Life application, mainly on the forum.

Tech: JavaScript, ES6, Node.js, react, react-redux, react-boilerplate, Webpack, Koa, Knex.js, Sequel Pro, Docker, Docker Compose, Kubernetes, Semaphore CI, Wercker.

### Lloyds Banking Group

Full Stack Developer (contractor)

March 2017 - June 2017 (4 months)

London, United Kingdom

NodeJS - JavaScript:

- \* Loopback for server-side of the code.
- \* ES5/6-based code base.

Monitoring/Devops:

- \* Splunk and sending logs via (<https://en.wikipedia.org/wiki/Syslog>) a LogDrain service available on Bluemix.
- \* Gerrit for managing code.

CI:

- \* Jenkins: Configuring, managing and installing.
- \* Jenkins 2: Same as previous plus writing pipeline scripts.

### Synthace Limited

Senior Front-End Engineer

April 2016 - November 2016 (8 months)

London, United Kingdom

Did a fair amount of architectural UI work.

Tech: JavaScript, ES6, Polymer, Web Components, TypeScript, VSCode, Azure, Docker, Kubernetes, Go, Web Component Tester, Git, Swagger.

## IG

### Developer

September 2014 - February 2016 (1 year 6 months)

London, United Kingdom

\* 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.

## ITRS Group

### Software Developer

February 2010 - September 2014 (4 years 8 months)

London, United Kingdom

3. JavaScript (UI) Developer, 01/2014–09/2014:

UI for the next generation of the product which is built around, loosely speaking, a real-time distributed analytics store.

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

2. Java (UI) Developer - 07/2012–12/2013:

Worked with two developers and one QA member on a new Swing UI, ACLite.

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

1. C++ Developer - 02/2010–06/2012:

Spent one year with Run The Business (RTB) team, a team set-up to fix critical bugs that Customers encounter. Prior to this I was one of three developers working in the Transactions and Latency Monitoring team (part of the backend team) doing core C++. We wrote and maintained the following plug-ins that are part of the Geneos suite:

\* FIX-Analyser: Monitors FIX (protocol) messages.

\* Feed Latency Monitor: Monitors feeds and calculates latency of instruments and fields across the monitored feeds.

\* Message Tracker: Tracks, generally, FIX messages across several checkpoints.

\* Market Data Reliability: See below. And bespoke plug-ins written for specific firms.

We also maintained several non-finance specific plug-ins. I ported another bespoke plug-in called Price Latency Monitor (provides latency figures for bonds) to MS VC++ when I worked on this team.

Projects:

\* Helped in converting the Windows version of the entire product suite from Visual Studio 2005 to 2010.

\* Helped in writing the Market Data Reliability plug-in. This plug-in connects to the Patsystem's Trading API ([www.patsystems.com](http://www.patsystems.com)) to monitor commodity prices, using their C API, to determine if prices are 'stale'.

\* I ported a significant part of our product to Solaris x86-64 (64-bit non-sparc architecture).

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

Thomson Reuters

7 months

Tester

September 2009 - November 2009 (3 months)

London, United Kingdom

User Acceptance Testing of the latest release of Thomson Reuter's 3000 extra, then called UTAH, now called Eikon.

#### Software Developer Intern

May 2009 - September 2009 (5 months)

London, United Kingdom

One of four developers working on a search and navigation interface to Global Product Search.

Languages/Technologies: C#, Silverlight 3.0, MS SQL Server 2005, LINQ, Web Services (WCF), XML and Visual Studio 2008. CruiseControl.NET.

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## Education

### City, University of London

Bachelor of Science - BS, Computer Science · (2005 - 2008)

### London Business School

CSEL, Trading and Market Structure · (2008 - 2009)

### UCL

Master of Science - MS, Software Systems Engineering · (2008 - 2009)