

Giulio Dellorbo

Staff Software Engineer

Contact

Email

egm0121[at]gmail.com

Phone

(+1) 646 · 95 3·73 52

About

I'm an experienced Software Engineer having previously worked on complex web, desktop and mobile apps for travel booking and enterprise communication industries.

My goal is to produce modular, reusable code leading to responsive UIs and performant applications.

In my free time I like to build and launch software products, using lean methodology and experimentation to achieve growth and product-market fit.

Profiles

Github

egm0121 (<https://github.com/egm0121>)

LinkedIn

giuliodellorbo (<https://www.linkedin.com/in/giuliodellorbo>)

Medium

Giulio Dellorbo (<https://medium.com/@egm0121>)

Download CV

cv.pdf (./cv.pdf)

Work

8x8 Inc

2018-11-02 — current

Principal Software Engineer

<https://www.8x8.com/> (<https://www.8x8.com/>)

- Responsible for planning and executing an incremental transition of core features for a production app written in Adobe AIR framework into a React + Electron codebase powering both desktop and web platforms.
- Identified technical debt and architectural improvements and planned actionable engineering tasks.
- Code reviewed contributions from team members.
- Worked on Desktop specific features such as: OS-specific installers, dynamic libraries, auto-updates, and custom protocol handling.
- Served as technical point of contact for new integrations and PoCs with partners such as Citrix, Microsoft and Google.
- Authored internal tools to improve the dev. experience and speed-up time to fix defects.
- Worked on a company-wide effort to create standardized internal tools and libraries to solve cross-cutting concerns across all frontend projects such as reusable UI components, observability helpers and microfrontends

Highlights

Electron React Redux WebRTC WebAssembly WebHID Cypress Playwright

8x8 UK

2015-05-01 — 2018-10-31

Lead Frontend Developer - UK

<https://www.8x8.com/uk> (<https://www.8x8.com/uk>)

Supervised a team of 6 frontend developers, functioned at a senior level in the organizational reported directly to the UK Director of Engineering.

- My responsibilities included planning and assigning development tasks among team members, performing code reviews, guiding the technical direction of the project and technologies to adopt, establishing a growth plan for the junior and mid level team members, efficiently delegating tasks to build a performing and autonomous team.
- Involved in 50+ technical interviews and provided hiring recommendation for all frontend engineers at the company.

Highlights

Browser Extension ES6 webpack Node.js

DXI Ltd

2013-06-01 — 2015-05-01

Senior Frontend Developer <http://www.easycallnow.net/> (<http://www.easycallnow.net/>)

Joined DXI as their first senior frontend engineer, worked on a greenfield SPA used by thousands of contact center agents on a daily basis to handle incoming interactions, outbound calling and access to CRMs data.

Frontend app was based on Angular.js, Machina.js (FSM library) and made use of WebSockets for handling real time UI updates and instant messaging functionalities.

Built a frontend components and services library used by other frontend projects.

Built a websocket server using Node.js, socket.io and Redis to enable horizontal scaling and handling of several thousands WS connections per instance.

Highlights

WebSockets Angular Node.js Electron

UpCloo Ltd 2012-07-01 — 2012-09-01

Javascript Developer <https://github.com/upcloo> (<https://github.com/upcloo>)

As the main developer on the intergation widget I've gathered the business requirements, planned and implemented an async-loaded third party floating UI widget that was used by customer websites to display a list of related content pages powered by the correlation engine running in the backend.

Challenges included keeping a small code footprint and make the widget was lazy loaded without hampering host website performance, handle broad browser compatibility (IE7 still had market share at that time) and preventing css styling conflicts and JS libraries interference. The final solution was a one line embeddable script tag that would load the widget and allow website admins to specify site configurations..

Highlights

Browser Compat. Async-loading CORS CSS3 AWS JSONP Thirdparty code

Contur Srl 2011-11-01 — 2013-06-01

Fullstack Developer <http://www.contur.it/> (<http://www.contur.it/>)

Worked as a full-stack developer on a web based travel booking and management solution using PHP, Zend Framework, mySQL and Redis.

- Worked on both new and existing features consuming SOAP web services to communicate with GDS (Global Distribution System) systems.
- Implemented extensive request caching and invalidation rules to maximize performance and reduce operational costs when using travel APIs billed by api request volume.
- Gained experience in SQL database modelling and slow query optimization.

- Frontend-wise, I've converted the multi-page website to a single page experience with API requests, dynamic table components and maps based UIs.
- Authored several jQuery plugins and built a lightweight js framework based on the mediator pattern to enhance code decoupling and communication between components.

Highlights

PHP Redis REST SOAP Phantom.js Frontend perf.

Education

Liceo Scientifico Marie Curie

2006-09-01 — 2011-09-01

🎓 Scientific Studies

High School Diploma

ESOL Level 1 Certificate in English

2010-03-01 —

🎓 Language certificate

ESOL Level 1 - B2

DELFB2 - Langue Française

2010-08-11 —

🎓 Language certificate

DELF B2

Certifications & Awards

AWS Certified Solutions Architect - Associate

by Amazon Web Services

Awarded 2021-12-05

<https://www.credly.com/badges/25297a38-035c-478d-bebb-27297e0fe1ba>

Key Contributor Award

by 8x8 Inc.

Awarded 2016-07-01

Work on EasyContactNow infrastructure

PHP Certified Engineer

by Zend Technologies

Awarded 2008-11-18

PHP Certification

Personal Projects

Mailbunny.ai | Faster newsletter reading

Available on **Web**

Learn more (<https://ai.google.dev/competition/projects/mailbunny>)

Built this LLM powered tool as a submission for the Google Gemini Dev competition.

MailBunny helps relieving email fatigue and accelerates getting to inbox zero by reading incoming newsletter and sending you a summary of the most relevant content in a single daily email. Built with Google gemini-1.5-flash model, AWS Lambda, DynamDB, SQS, S3 and SES (Simple Email Service) for receiving inbound emails on custom @mailbunny.ai aliases.

jest-test-gen | Unit test boilerplate generator

Available on **npm**

Learn more (<https://github.com/egm0121/jest-test-gen>)

Wrote a tool to generate boilerplate of a jest unit test file for an existing Javascript or Typescript source file with all imports mocked and a test template for every class, POJOs or functions exported. It also supports React components both classic and functional. The tool is written in typescript and uses its parser to walk the AST of a source file and generate testing code based on what is exported. It got featured by the popular Node Weekly newsletter and got 180+ stars on GitHub.

SpeedSound | Expo | Typescript

Available on **App Store and Play Store**

Learn more (<https://www.speedsound.app/>)

SpeedSound is a unique voice-based speedometer that uses voice notifications to update the user of its live speed. Real-time gps speedometer using your headphones or speaker. Computes the stats and speed graph for every activity. Multiple speed unit measures supported.

SplitCloud | React Native | 1M+ Downloads

Available on **App Store and Play Store**

Learn more (<http://www.splitcloud-app.com/>)

Share your headphones with who's next to you and stream two different tracks choosing from the SoundCloud® streaming platform. SplitCloud gives you two independent music players with adjustable volumes and playlist support. Scalable Backend for music charts and custom playlists in AWS Lambda + SQS + DynamoDB

\$\$Watchers - Chrome Dev Tools Extension

Available on **Google Chrome Web Store**

Learn more (<http://goo.gl/c3nn5J>)

Angular watchers is the ultimate AngularJS tool which tells you how many active watchers you currently have in your web app. It automatically updates the count so you can see a counter or a graph by opening the \$\$watchers panel inside Chrome Dev Tools.

SplitBeats - iOS App | Objective-C

Available on **Apple AppStore**

Learn more (<http://www.split-beats.com/>)

SplitBeats is a free music iOS app that allows your device to manage two music players at same time, and play different tracks on each side when sharing headphones.

Skills

Technologies

HTML5 CSS3 Javascript Typescript WebSockets JSON REST APIs JWT OAuth
OTP Serverless Python Docker AWS PHP OOP SQL NoSQL Cache databases
Perf. Optimization Browser Extensions Software Architecture UI Components
Event Driven Architecture Microfrontends

Libraries and Frameworks

React Redux Immutable.js React Native Expo Gatsby Electron Socket.io Express
Angular.js Google Analytics Webpack Jest Cypress Playwright Puppeteer pandas
numpy statsmodel pyplot seaborn

Languages

Italian

Native speaker

French

Bilingual

English

Bilingual

Interests

Development

Mobile App Development Distributed Systems Functional Programming

Scalable Cloud Architectures Audio Programming IoT