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 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 micro-frontends.

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 organization reporting 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, and efficiently delegating tasks to build a performing and autonomous team.

• Involved in 50+ technical interviews and provided hiring reccomendations 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 library of UI components and services reusable in 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 integration widget, I've gathered the business requirements, planned and implemented an async-loaded third-party floating UI widget used by customer websites to display related content powered by the correlation engine wrote by the backend team.
Challenges included keeping a small code footprint and making the widget was lazy loaded without hampering host website performance, handling broad browser compatibility (IE7 still had market share at that time) and preventing css styling conflicts or 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 modeling 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

DELF B2 – 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 relieve email fatigue and accelerates getting to inbox zero by reading incoming newsletters and sending you a summary of the most relevant content in a single daily email. Leveraging Google's gemini-1.5-flash model, AWS Lambda, DynamoDB, 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 was featured by the popular Node Weekly newsletter and reached 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 and access 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