

Giordano Arman - Web and Mobile Developer

Projects

This is a list of the projects I have been involved in starting from the most recent. In every case you will find a brief description of the project and then a general description of the work done by me.

Intranet - Proprietary web app used by a big colored books printing company. It manages all aspects of the production cycle (materials arrival and stocking, technical info about the books to be printed, communication of such info to printing machines, incoming and outgoing invoices, customers' meetings and more). I maintained the whole application and introduced some new features.

Zeiss Flaw Detection - Web app that through video devices monitors medical screws production lines and detects any flaws in the product. The application allows uploading images and teaching the Artificial Intelligence software instance about what are the flaws it needs to detect, by selecting flaws by hand. The software then teaches itself how to detect them automatically in production. I took care of the front end development.

Lexplorer - Web version of Digifiler (see below), it allows data insertion and PDF generation of documents about financial opportunities for companies granted by the EU, the Italian state or regional entities. I developed both back end and front end for this application.

Digifiler - Open source data entry desktop application. It allows the creation of documents, you can then save them as PDFs on Amazon S3 and store their dynamic data in a database (MongoDB). Thus Digifiler provides an easy way to browse PDFs by querying their content from a database. It provides a system to create HTML5 templates of all the documents. I created the whole application.

Virtual Billboard - Web platform that allows the creation of video advertisements for supermarkets. These videos can then be broadcasted on smart televisions installed within the supermarkets, so customers can learn about discounts and offers while they shop. I maintained the platform and introduced new features.

NOD - Node.js proxy with HTML5 GUI that receives printing commands from a server and redirects them to remote Java-backed printers. It takes care of reporting any printing errors on the GUI and allows automated distribution of all the bytecode files the Java servlets need to customize their work. I took care of designing the User Experience and managed to add many features that the client previously did not think of and found very useful.

Deghivision - Command line based Node.js surveillance application that communicates vehicle plate ids to a central database. It allows street access monitoring. The Object

Oriented way in which I split the purposes of the code modules has been very appreciated by the client.

TeleMMJ - Documentation processing platform that allows people who suffer from medical conditions to be deemed suitable to the purchasing of medical marijuana in the US. I took care of the server side logic that fills out all the necessary PDF documentation with user data, stores the documents in the cloud and grants access to them to patient, legal authorities and physicians. The piece of software can be used for any PDF form if a configuration file is uploaded to the cloud for every document. Even a non-developer can do it, I crafted the system keeping ease of use in mind and this has been very appreciated. I also worked on the mobile application that lets users sign up.

Rikodi - Social network that allows users to create animated and interactive books of pictures online that look like the family photo books from before the advent of digital photography. I developed the whole platform (user management, texts and image storage, front-end animation and every page). The client is willing to use my work to raise funds and then add more features before launching the product.

Shop Luxury Styles - E-Commerce platform for luxury fashion items (eg. expensive clothing, jewelry). I participated in the development of the UI implementing name, price and size filters for smart items browsing (similar approach of eBay and Amazon) ordering of items by name, price, size, infinite scroll feature and fixed already existing bugs. I also created cron jobs that gathered information about luxury items and made them available in the application, this way the product can provide many retailer options for the same product and follow the latest fashion trends automatically.

Payroc PROMPT - Payroc (bit.ly/2eCSczJ) is one of the biggest electronic payment providers in the US. PROMPT allows merchants to sign up to Payroc services and be provided with the hardware needed for electronic transactions (POS and other kinds of instruments). I participated in the crafting of the whole UI and dealt with the server side logic that provided American authorities all the necessary documentation for every single merchant willing to sign up. I also improved the database schema and participated to part of the development of back and front ends. I also worked on the hybrid mobile version of the same product.

BellaDati - (bit.ly/2fy94JN) Business Intelligence platform that allows report creation, data cleaning, data mining and analysis (bit.ly/2fS6nqk). I was in charge of the whole front end of their application. I used to come up with new features, discussed them with the CEO and CTO, then implemented and maintained them. I created new chart renderers and adapted the already existing ones according to the preference of the clients. I was in close contact with testers and other developers, we would often talk vis-à-vis about issues and ideas. I helped the front end designers as they sometimes lacked the programming skills for some of tasks they were required to carry out. I improved the usability and accessibility of the UI, I found bugs and fixed them. My work has been very appreciated and I started to work on the back-end of their application too. I learned one programming language and became familiar

with other two while working there. I moved to Prague (Czech Republic, Central Europe) to work with BellaDati.

Consultorio Informa - The app allows messaging in real time with physicians or nurses who provide information about sexuality and strategies that aim to reduce risk of transmission of STDs. I created the hybrid mobile client entirely, following the mockups in great detail. The application was created while I was at college.

Vision Analyzer - (apple.co/1SKyhfc) (bit.ly/2fDQ2AN) Business Intelligence hybrid mobile application that allows its users to visualize sales and other kinds of data through interactive charts. I participated in the development of the app fixing some major issues and getting it ready to be launched. I worked as an intern and got the opportunity by showing great enthusiasm and availability to learn the tools. Before working on the application I taught myself JavaScript using the knowledge I already gained about computer programming by studying Java at college. *Vision Software House* changed the application name from *Vision Analyzer* to *movicheck*.