

ANDREA VALLA

SOLUTION ARCHITECT - FULL STACK DEVELOPER - BI DEVELOPER

Professional summary

Experienced Full Stack Developer: Crafting enterprise-level and highly scalable web applications with precision. Proficient in both client and server-side programming, ensuring comprehensive solutions. Well-versed in all facets of software engineering, from meticulous analysis and thoughtful design to flawless coding, rigorous testing, and seamless implementation. Passionate about continuous learning and embracing cutting-edge technology, staying at the forefront of evolving systems, libraries, and frameworks. A seasoned Linux user since '95, with a deep-rooted affinity for shells and a passion for mastering the command line.

Technical skills

Frontend **React**, **Redux**, **Apollo**, **Gatsby**, **Gulp**, **Sass**, **Webpack**
Backend **NodeJs**, **Express**, **Koa**, **GraphQL**, **AspMVC**, **Php**
Mobile **iOS**, **basic knowledge of android development**
Testing **Jest**, **Cypress**
Languages **Javascript**, **Typescript**, **C#**, **Swift**, **Php**, **Objective-C**
Databases **MongoDb**, **BigQuery**, **Postgresql**, **SqlServer**, **MySQL**, **Sqlite**, **Oracle**
Business Intelligence and DataWarehouse **Cubejs**, **BigQuery**, **Airbyte**, **SSIS**, **SSRS**, **Pentaho Kettle**
Operating systems **macOS**, **Linux**, **Unix**, **Windows**
Devops **Docker**, **CI/CD on Github and GitLab**
Cloud **Azure**, **AWS**

Professional experience

FULL STACK DEVELOPER AND SYSTEM ADMINISTRATOR :: FEB 2022 - TODAY
BRANDSDISTRIBUTION.COM :: TURIN, ITALY

Developed seamless integrations between BDroppy, a dropshipping application, and various external ecommerce platforms, including Shopify, Squarespace, Wix, and EKM, using a queue system that supports over 50,000 external stores. Developed two different applications that were successfully published on the Shopify AppStore and Wix AppStore, expanding the business's reach. Pioneered the development of a BI platform, utilizing technologies such as BigQuery, Airbyte, Cube.js, and DataStudio. This platform empowered businesses to analyze costs and ROI, enabling data-informed decision-making and strategic growth. Designed the software architecture for a React Native mobile application. Migrated CI/CD from Jenkins to GitHub Actions
Typescript, NodeJs, React, React Native, Jest, Redux, Moleculer, Redis, MongoDB, BigQuery, CubeJs, Shopify, Sonarqube

CTO AND CO-FOUNDER :: MARCH 2018 - JAN 2022
AGILE FACTORY - TURIN, ITALY

Created a real-time MES solution for SMEs, revolutionizing manufacturing processes. Integrated with IIoT devices via OPC-UA/MQTT and customers' ERPs via ETL. Developed two web applications with GraphQL for efficient communication between front-end and back-end components. The team was made up of four people; I designed the software architecture and worked as the project maintainer, conducting code reviews for other team members. Tasks and milestones were managed on GitHub Issues using custom types.
NodeJs, GraphQL, React, Jest, Cypress, Apollo, Redux, MongoDB, Redis, GitHub, Docker, Mqtt, Moleculer, OPC-UA, S3, Lerna, Kettle, Sonarqube

FULL STACK DEVELOPER :: JUNE 2015 - MARCH 2018
INDUSTRIAL CLOUD - POLITECNICO DI TORINO SPINOFF COMPANY :: TURIN, ITALY

Created web applications for manufacturing industry, from analysis to customer deployments and updates.
NodeJs, React, Elastic Search, Mysql, Php

FULL STACK DEVELOPER :: SEPTEMBER 2010 - JUNE 2015
INTESA SANPAOLO :: MONCALIERI (TURIN), ITALY

Created web applications, ETL and reports on Microsoft environment.
.net, Javascript, EF, Dapper, SqlServer, SSRS, SSIS, ASPMVC, WebForms, jQuery, KnockoutJS, Twitter Bootstrap, Sharepoint

DEVELOPER AND SYSTEM ADMINISTRATOR :: SEPTEMBER 2003 - SEPTEMBER 2010
REPLY SPA :: TURIN, ITALY

Consultant on different kind of projects, from development to system administration, on Linux, Unix and Microsoft environments.
.net, WebForms, Javascript, Linux, Unix, BMC ITSM

UNIX SYSTEM ADMINISTRATOR :: JULY 2002 - JULY 2003
GLOBAL VALUE SERVICES :: TURIN, ITALY

System and application management on some FCA websites.
HPUX and custom web applications

Information

Birth date **9 august 1980**, Turin, Italy
Phone **+39 335 82 30 421**
Email **valla.andrea@gmail.com**
Website **https://avalla.github.io**
Github **Link**
Linkedin **Link**
Stackoverflow **Link**

Languages

Italian Mother tongue
English Fluent
German Beginner

Education

M101JS MongoDB for NodeJs developers :: 2014
M102 MongoDB for DBAs :: 2014
Unix and Linux administration course
Immaginazione e Lavoro, Torino, IT :: 2002
High school diploma Galileo Ferraris, Torino, IT :: 2002

Other projects

Malingering :: 2020

Developed a Gatsby-based web application for analyzing the effectiveness of psychological tests. Utilized technologies such as React, Redux, FaunaDB, and deployed on Netlify. Leveraged serverless functions for backend functionality.

Sphere Contents :: 2020

Developed an IPs Browser web application for movies, serials, books, and comics. Leveraged Gatsby, React, Redux, Algolia, and Wordpress to create a dynamic and interactive user experience. Deployed on Netlify for web access. Utilized a user-friendly Wordpress panel for content managers to configure and update the application's contents.