ANDREA VALLA

PRODUCT / FULL-STACK ENGINEER | END-TO-END SYSTEMS, INTEGRATIONS & AI PLATFORMS

TURIN, ITALY | VALLA.ANDREA@GMAIL.COM | AVALLA.GITHUB.IO

Professional summary

Product Engineer with 20+ years of experience building complex end-to-end systems, integrations, and AI-enabled platforms. Thrives in small teams with real ownership and responsibility for architecture through production.

Professional experience

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

Built and shipped production integrations between BDroppy and major ecommerce platforms (Shopify, Squarespace, Wix, EKM), publishing apps on Shopify and Wix app stores. Architected Aidify.cx, an AI-powered chatbot platform integrated across ecommerce channels. Delivered a BI platform (BigQuery, AirByte, CubeJs, DataStudio) enabling cost and ROI analytics. Built AutoEpoque, a vintage car marketplace (auctions + listings) using Supabase + React, with database testing via pgTAP.
Typescript, NodeJs, Bun, Deno, React, Apollo, Urql, Jest, pgTAP, Redux, Moleculer, Redis, MongoDb, BigQuery, CubeJs, Shopify, Sonarqube, PostgreSQL, Supabase, BullMq, Langchain, Algolia

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 customer ERPs via ETL. Developed two web applications with GraphQL for efficient communication between front-end and back-end components.
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

Technical skills

Languages: **JavaScript, TypeScript, C#, Swift, PHP**
Frontend: **React, Apollo, Urql, Tailwind, Vite**
Backend & Services: **Bun, Node.jsExpress, GraphQL, Moleculer, Deno**
Data / AI / BI: **BigQuery, Airbyte, Cube.js, LangChain**
Databases: **PostgreSQL, MongoDB, SQL Server, MySQL**
DevOps / Cloud: **Docker, GitHub Actions, GitLab CI, AWS, GCP, Azure**

Information

Birth date **9 august 1980, Turin, Italy**
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Email valla.andrea@gmail.com
Website **https://avalla.github.io**
Github **Link**
Linkedin **Link**
Stackoverflow **Link**

Languages

Italian Mother tongue
English Fluent
German Beginner

Key achievements

· Delivered AI-powered chatbot platform integrated with global ecommerce channels staging + production.
· Architected BI platform using BigQuery + AirByte + Cube.js enabling cost/ROI analytics.
· Scaled integrations for multi-brand dropshipping, increasing partner ecosystem reach.

Favorite Tech Stack

Frontend: **React + TypeScript (Vite.js)**
Backend / Database: **Supabase with RLS and edge functions**
DevOps: **Docker + GitHub Actions**

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.

Recalibra :: 2025

Developing a mobile application for vagus nerve stimulation therapy. Built with React Native to deliver a cross-platform experience for iOS and Android. Currently in development.