

GIORGIO TEDESCO

A SENIOR FULL STACK WEB DEVELOPER

gt@giorgiotedesco.it · (+39) 333.12.64.015 · Rome, Lazio, RM · www.giorgiotedesco.it ·

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As a passionate and dedicated Full Stack Web Developer with over 16 years of experience, I have honed my skills in building and maintaining dynamic web applications using a wide range of modern technologies (also on web3 and blockchain environment). My expertise spans from front-end frameworks like React.js and Next.js to back-end solutions with Node.js and Express.js. I thrive in collaborative environments, often taking a lead role in project migrations and implementing advanced solutions to enhance application performance and user experience. My technical proficiency is complemented by my commitment to continuous learning and my enthusiasm for tackling new challenges. I have successfully led significant projects such as full migrations to TypeScript, optimizing deployment pipelines with Docker and CI/CD, and developing robust authentication systems. I am driven by a love for problem-solving and a desire to create seamless user experiences. When I'm not coding, you can find me exploring the latest tech trends, 3D graphics, gaming (not playing, but developing games) and discovering cryptocurrencies. I am excited about the opportunity to bring my skills and passion for web development to new and innovative projects.

EXPERIENCE

Senior Software Engineer & Project Lead

Sep 2024 - Present

We-Com

In my current role as a Senior Software Engineer and de-facto Project Lead, I am spearheading the development of a mission-critical Telecom Management System (TMS) designed to replace a 20-year-old legacy infrastructure. My core responsibility involves architecting a high-performance data ingestion engine with Laravel to parse and normalize massive Cisco Call Detail Record (CDR) datasets. I am responsible for the entire lifecycle of the project, including the containerization and deployment of the application on Kubernetes and the integration of enterprise-grade security via WSO2 using mTLS and CNS protocols. A major part of the project involved performing complex 'data archeology' to migrate and normalize inconsistent, non-unique legacy data into a modern relational structure, ensuring 100% accuracy for financial reporting. I also developed an automated PDF billing engine to handle complex telecom audits. In addition to development, I lead the technical roadmap and mentor junior team members, enforcing rigorous code quality standards and Git-flow procedures in a high-pressure, infrastructure-heavy environment.

- Laravel
- PHP 8.x
- RESTful APIs
- Cisco CDR/CMR Ingestion
- Kubernetes (K8s)
- WSO2 API Gateway
- mTLS & CNS Authentication
- PostgreSQL/MySQL
- PDF Reporting Engine
- Git-flow & Technical Leadership

Full Stack Web Developer

Jun 2022 - Aug 2024

Wonderland Engine

As a full stack web developer, my key responsibilities involved developing and maintaining a marketplace web applications with Next.js and React.js for the frontend and managing state using Zustand. I implemented user authentication with NextAuth, integrating a microservice API as the source of truth. I managed and optimized MongoDB databases with Mongoose.js, ensuring data efficiency and security.

Additionally, I used ZOD to ensure accurate TypeScript type definitions throughout the project, which enhanced code stability and maintainability. I developed responsive and modern styles with Tailwind CSS, ensuring an intuitive and engaging user interface. The build and deployment process was automated using GitLab CI/CD and Docker, which improved team efficiency and reduced release times. One of my key projects involved leading the complete migration of the project from JavaScript to TypeScript, updating Next.js to the latest version. This process involved significant structural changes and improved code quality and error detection. Another significant project was collaborating on the development and maintenance of microservices based on Express.js and Helmet.js, which were later converted to TypeScript. This project enhanced the modularity and scalability of the system.

- React.js
- Next.js
- Tailwind CSS
- NextAuth
- MongoDB, Mongoose.js
- Zustand
- Zod
- Typescript
- GitLab CI/CD
- Docker
- Google Cloud Platform (GCP)

Fullstack Web Developer, Security Analyst

Jun 2014 - May 2022

ELETTRONICA S.p.A.

As a full-stack web developer and security analyst, my work was balanced between two main roles. In the first role, I was responsible for developing the website using OctoberCMS and creating the intranet using Symfony. Additionally, I collaborated on other internal projects involving tools like React and Next.js. On the other side of my responsibilities, I worked as a security analyst, ensuring the security of the systems and data.

- PHP
- Linux
- OctoberCMS

— React

Web Developer

Oct 2013 - Jun 2014

Quantum Leap Ip

The company is active in two areas: search and development of new projects to obtain patent status as well as TEDxRome. As Part Time consultant, I was the responsible of project: new Trends Domains. I worked on setup of most little landing page sites using Silex Microframework refactoring the behaviour of multiple wordpress websites with deprecated release.

— TEDxRome

Blender Teacher

Sep 2013 - Oct 2013

3DIItaly

Blender Teacher for 3D Printing for a stage.

Web Developer, 3D Graphic Designer, Game Development

May 2013 - Aug 2013

Onthebrain

On The Brain is a startup company in the interactive advertising business. As full time consultant I worked on: restyling official website built on CakePhp and Bootstrap. Low poly modelling with Blender and photorealistic rendering for product presentation. Experienced on Kinect (Depth Sensor) and game engine framework as Unity 3D. All works was made by open source software as Gimp, Inkscape, Blender. I worked on Leaflet.js with OpenStreetMaps in specific projects and Facebook API.

Blender Teacher

Feb 2013 - Jul 2013

UPTER

A course that drive the people to understand 3D Graphic, Blender and 3D Printing. The course treats also Texturing/Shading and Rendering.

Web Developer

Feb 2012 - Feb 2013

Creasys

Creasys works on business management web sites development. As part time consultant I worked on WordPress theme and addon development, restoring and data dumping from existing projects to WordPress. I have utilized in some projects CakePhp and some Symfony components.

Web Developer

Sep 2010 - Jan 2012

Italia Solidale

Italia Solidale Onlus is a catholic non-profit organization active in the third world countries. As Part Time consultant I worked in-house Newsletter Web Application against to be listed as email spammer (SwiftMailer and CakePhp) to send big dataset of email around Italy, specially in Christian holidays time. I worked between Brasil and Italy as Donor and in specific Projects.

Web Developer

Dec 2008 - Jun 2010

Elettronica S.p.A.

Elettronica s.p.a. is a company leader in the electronic defence systems. Full time employee in the Communication and Advertising division as Full Stack Web Developer. I worked in graphic advertising mainly, and improve old ecosystem intranet with code' snippets.

Stage

Dec 2007 - Mar 2008

Light by Marketing & Advertising

SKILLS

PHP

SVILUPPO WEB

SYMFONY FRAMEWORK

SONATA PROJECT

APACHE

REACT.JS

OPEN SOURCE SOFTWARE

NODEJS

PHP & MYSQL

SVILUPPO ANDROID

VPS MANAGEMENT

XML

SVILUPPO DI VIDEOGIOCHI

GAME DEVELOPMENT

AJAX

JAVA

UNITY3D

HTML

BLENDER**UBUNTU****SEO****JAVASCRIPT****GODOT ENGINE****WEB DEVELOPMENT****LINUX****APPLICAZIONI WEB****FOUNDATION ZURB****3D - RENDERING****WEB 2.0****OPEN SOURCE****GITHUB****CSS****NO SQL****MYSQL****SSL****NEURAL NETWORK**

EDUCATION

Digilie School

Autodesk Maya Certified in Grafica 3D Generalist

Dec 2012 - Dec 2013

Libera Università 'Maria SS Assunta'

Laurea Magistrale (3+2) in comunicazione d'impresa pubblicità e nuovi media

Dec 2002 - Dec 2007