

NUNO COSTA

Software Engineer

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SUMMARY

I'm a software engineer from Porto, Portugal, with a degree in New Technologies of Communication from the Universidade de Aveiro.

Programming has allowed me to channel my passion, pragmatism, and determination into real-world solutions. With extensive experience in web development, I approach every challenge with a proactive and committed mindset, always striving for efficient and innovative solutions.



SKILLS

FRONTEND

Typescript/Javascript, React, UX, CSS and HTML

AWS

Lambda, API Gateway, DynamoDB, IAM, VPC and others

BACKEND

Python, PHP and Node

CI/CD

Git, Terraform, GitHub actions, bash



WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER & SCRUM MASTER

CRITICAL TECHWORKS

FEB 2025 - PRESENT

- Development and implementation of a generative AI solution for BMW group.
- Leadership in software engineering, ensuring high-quality design, development, and deployment of critical solutions.
- Coordination and facilitation of Agile Scrum ceremonies to optimize team performance and delivery timelines.
- Implementation of best practices in artificial intelligence and software development for innovative project outcomes.
- Collaboration with cross-functional teams to align AI functionalities with organizational communication needs.
- Continuous improvement of project workflows through proactive management and strategic problem-solving techniques.

SENIOR SOFTWARE ENGINEER

CRITICAL TECHWORKS

JAN 2020 - JAN 2025

- Contributed to the development of BMW's primary data platform on AWS, managing over 13 PB of data and supporting 1,500+ use cases with €1.9 billion in business value, utilized by more than 40,000 annual users.
- Implemented fine-grained access control mechanisms to enforce granular permissions for datasets, enhancing data security and reducing redundancy across the platform.
- Designed a best practice framework for data ingestion processes by creating standardized blueprints and an intuitive no-code UI, enabling seamless data ingestion for non-technical users.
- Built an advanced operations platform to optimize issue resolution workflows, facilitating efficient problem diagnosis and resolution by the support team.
- Developed a real-time SQL editor allowing immediate query execution while incorporating features for saving and sharing queries to enhance collaboration among users.
- Integrated advanced security tools to ensure compliance with BMW Group's rigorous data governance policies and implemented generative AI-powered metadata creation to improve data discoverability and accessibility enterprise-wide.

HEAD OF DEVELOPMENT
LEGENDARY PEOPLE+IDEAS
JUL 2017 - JAN 2020

- Oversight of project management and budget estimation for CMS website development.
- Creation of WordPress-based themes leveraging REST API, PHP, and MySQL for efficient content management solutions.
- Development and optimization of interactive MUPI applications utilizing Node.js with Express framework to enhance user engagement.
- Implementation and refinement of Git workflows to streamline version control processes and improve team collaboration.
- Coordination and maintenance of website deployments, ensuring seamless functionality and system reliability across projects.
- Integration of technical expertise to deliver scalable, responsive digital solutions within timeline and budget constraints.

FRONTEND DEVELOPER
IBLABS
SEP 2016 - JUN 2017

- Development of web application interfaces using ASP.NET to meet specific project requirements.
- Application of JavaScript frameworks, such as JSRender, for efficient front-end rendering and dynamic content management.
- Utilization of Telerik UI tools to design interactive and visually appealing user interfaces.

WEB DEVELOPER
LEGENDARY PEOPLE+IDEAS
DEC 2014 - AUG 2016

- Development of fully custom WordPress themes tailored to specific client requirements.
- Maintenance and management of servers to ensure optimal performance and reliability.
- Proficiency applied in web technologies such as HTML5, CSS3, JavaScript, SASS, PHP, and MySQL.
- Utilization of task runners like Gulp and Grunt for streamlining development workflows.
- Implementation and use of version control systems (GIT) for efficient code management and team collaboration.



EDUCATION

NEW COMMUNICATION TECHNOLOGIES
UNIVERSIDADE DE AVEIRO
2011 - 2014

Final degree project utilizing Kinect to capture gesture movements and interpret them for interaction within a web-based application.