

Leonardo Lodi

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EXPERIENCE

Bydas - Digital Agency

November 2024 - Present

Software Developer

Porto, Portugal

- Led the development of AlgaID, a mobile application for the European Algae Biomass Association (EABA).
 - Developed a full-stack mobile app using React Native, TypeScript, Python, TensorFlow and Google Cloud Platform (Vertex AI).
 - Delivered a CNN with Conv2D layers achieving 80% accuracy for real-time algae identification.
 - Built data pipelines with web scraping and crawling to collect and preprocess 1M+ algae images, creating a robust dataset for training.
 - Managed Expo CI/CD pipelines for automated builds and deployment to Apple App Store and Google Play.
- Partnered with Haier Europe to develop an interactive 3D environment for product presentations.
 - Engineered with PHP, JavaScript, and Three.js, significantly improving user immersion and interactivity during product presentations.

Freelance Projects

September 2024 - Present

Software Developer

Remote

- Developing Allegrow, a SaaS platform connecting children's event providers with parents.
 - Building a full-stack website using React, JavaScript, Node.js, Express.js, and PostgreSQL.
 - Implemented a RESTful API with authentication, booking flows and Stripe webhooks for live payments.
 - Integrated notifications via SendGrid and developed a WebSocket infrastructure for live chat between parents and providers.
- Built Wizard ON, a SaaS management platform for Wizard by Pearson franchisees.
 - Developed with Next.js, TypeScript, AWS and PostgreSQL.
 - Implemented modules for lead management, employee task tracking, dashboards, and financial reporting.

EDUCATION

Boolean UK

February 2024 - August 2024

Software Development Bootcamp

Remote

- Completed a 1,000+ hours of hands-on coding, covering full-stack development with JavaScript, React, Node.js, PostgreSQL, TDD, OOP, Agile, HTML, and CSS.

SKILLS

JavaScript, TypeScript, React, React Native, Next.js, Node.js, Express.js, Python, PHP, PostgreSQL, Prisma ORM, Google Cloud Platform, AWS, Docker, Git, Jest, HTML, CSS