Diego Pitsillidis

Software Developer

👤 Profile

Full-stack Developer with 5+ years of experience building scalable web applications and interactive UIs from scratch. Proven track record optimizing applications for performance and user experience. Passionate about leveraging React, Angular, and AWS technologies to solve complex engineering challenges. Actively pursuing opportunities at innovative, large-scale tech companies that push the limits of humanity.

🎓 Education

BSc Computer Application Development, University of South Wales, Treforest

September 2017 — July 2020

Overall grade: First Class Honours

Year 3 Modules: Individual Project, Strategic IS Management, Advanced Databases and Modeling, Advanced Internet and Mobile Computing, GIS and the Spatial Web

Year 2 Modules: Operating System Theory and Implementation, Project Management and Professional Practice, Database Development, Team Application Project and PPE, Web Content Management Technologies, Dynamic Website Development

Year 1 Modules: Computer Systems and Network Technologies, Computer Programming, Mathematics and Statistics for Computing, Information Engineering, Designing and Implementing Interactive Systems, Professionalism and Employability

💼 Employment History

Full-stack Developer at Coliance, Paphos

July 2022 — Present

Contributed to the successful development a visualization tool of a B2B **startup project** by playing a key role in the entire software development life cycle (0 ⥤ 1 phase). Collaborated closely with stakeholders to gather and refine requirements, actively participated in brainstorming sessions to shape the project's direction, created wire-frames using Figma and created multiple proofs of concept to validate ideas. Contributed to the prototyping and technical design phases, ensuring robust and scalable solutions. Developed and integrated both front-end and back-end features using C#, TypeScript, HTML, CSS, and SQL, leveraging ASP.NET Zero using .Net and Angular. Owned the Front-end/Angular side of the code-base (was responsible for all development and maintenance). Additionally, led the implementation of AI capabilities using IBM Watson to enhance the

project's functionality. Consistently delivered high-quality code and innovative solutions that met business objectives.

Junior Developer at FFT Education, Cowbridge

March 2021 — June 2022

Worked as part of a team to assist in the development of multiple new solutions as per business needs. We worked in agile methods and used azure devops, trello, git and slack for collaboration. Although I primarily worked using .Net and Angular, I also worked quite a bit with SQL creating stored procedures and was exposed to various other technologies such as Node.js, puppeteer, docker and various AWS services (CDKs, SQS, S3, Lambda).

Completed many Pluralsight courses during this time which improved my understanding in Angular, C#, SQL, Unit Testing, cloud technologies and more.

Successfully became an AWS Certified Cloud Practitioner

Junior Back-End Developer at Active Quote, Cardiff

September 2020 — March 2021

Maintained their current systems and developed new features to compliment their systems using a variety of technologies both old and new. The technologies used were VB, C#, .Net Core, ASP.Net MVC, HTML, CSS, JavaScript, j Query, Typescript, Angular and Microsoft Azure.

Was also a part of a new project where we developed an API to be used by third parties to provide new leads for our sales team.

We used TFS for version control and deployed manually and using octopus.

Junior Developer (Contract) at AQMS Consulting, Treforest

June 2019 — July 2020

Developed a quality management system using ASP.NET Core MVC, C#, Entity Framework, SQL Server and code-first workflow, for AQMS to handle tool control, user management and incident management with maintainability, extensibility and scalability in mind. Involved in the full software development cycle, from communicating with the client to understand the system's requirements to development of software. Also involved working in a team, using GitHub for collaboration and version control. This is also done as part of the **final year project** for university

Web Developer at Hopp Studio, Llandaff

January 2019 — March 2019

Created live websites for clients and enhanced their current website using WordPress, CSS and JavaScript. Explored new technology offerings such as Virtual Reality using Unity to create an environment as an example of the capabilities of VR to be demonstrated to future clients (used for marketing/expos)

Sales Agent at ITrader & OInvests, Limassol

July 2018 — September 2018

Conducted cold calls, generated leads/contacts and converted leads/contacts to clients (FTDs). Ensured the customer relationship management system (CRM) was organized and kept up to date. Constantly communicated with the team leader to get feedback and advise on the different ways the call could have been approached and continuously improved the call strategy

Beach Boy at Olympic Residence, Limassol

April 2017 — August 2017

Greeted and tended to customers, and was responsible for setting up, closing, cleaning, counting money and tickets sold. Communicated with the beach and bar team to ensure all orders were delivered quickly

Account Manager at Trade Centrum & Sales AM, Limassol

January 2017 — April 2017

Conducted cold calls and generated leads/contacts. Converted leads/contacts into clients by informing them of investment opportunities and advising them on what the best possible way to take advantage of different market movements and upcoming events. Achieved my first client in the first week of selling to contacts which never happened before and was also the largest deposit of all clients in the office for that month

Soldier at Cypriot National Guard, Limassol

July 2015 — January 2017

Completed basic soldier training and specialized mortar training. Achieved one of the two clerk positions in the security office that was responsible of administrative duties such as updating files, communicating with other bases and ensuring all security protocols were met. Achieved a position where I managed the shop of the military base, kept track of profits, managed stock levels and contacted suppliers when stock was low.

Achieved a promotion "Ypodekaneas" which is awarded to individuals who show great effort and discipline. Was responsible for training and leading the new soldiers when they came for their basic training and for their mortar specialization.

❧ Extra-curricular activities

AlgoExpert at AlgoExpert.io

Online algorithms, data structures and complexity analysis course.

https://certificate.algoexpert.io/AE-239be58f42

FrontendExpert at AlgoExpert.io

Online FrontEnd course.

https://certificate.algoexpert.io/FrontendExpert%20Certificate%20FE-f5a2431f03

Portfolio

Developed a professional front-end software engineer portfolio (available at www.diegopitsillidis.com), showcasing hands-on expertise in React, Angular, AWS, TDD, and modern software engineering practices. Projects featured include:

- **React Minesweeper**:
  Built using React and Test-Driven Development (TDD), with comprehensive testing (unit, integration, E2E).
  Continuous Integration/Continuous Delivery (CI/CD) pipeline enforcing minimum test coverage, linting rules, and automated deployments.
  Technologies: React, Webpack, Babel, Jest, Storybook, Chromatic, Stryker.
- **Algorithm Visualizations**:
  Interactive visualizations demonstrating sorting algorithms (bubble sort, insertion sort, selection sort) with React.
  Emphasis on modular, reusable UI components developed through TDD.
- **Angular Pathfinding Visualization**:
  Cross-framework integration utilizing Angular Elements embedded within React.
  Interactive pathfinding visualizations highlighting strengths in Angular, React, and AWS Amplify deployment.
- **AI Chatbot with RAG (Retrieval-Augmented Generation)**:
  Integrated OpenAI's GPT-4 via AWS Lambda functions, enabling context-aware responses by leveraging precomputed embeddings (vector similarity search).
  Demonstrated proficiency in full-stack development, serverless architecture, embedding strategies, and advanced AI integrations.
- **Professional Contact Form**:
  Secure and robust contact functionality powered by AWS SES and AWS Lambda.
  Demonstrates proficiency in cloud-based email handling and serverless backend development.

Key Technologies & Practices: React, Angular, TypeScript, AWS Amplify, AWS Lambda, AWS SES, OpenAI GPT-4 API, Embeddings, TDD, Jest, Storybook, Webpack, Babel, CI/CD pipelines, responsive UI/UX, accessibility, serverless architectures.

Developer at Limassolian Leathers Ltd, Limassol

June 2012 — Present

Developed a fully functional e-commerce website that sells globally with features such as an affiliate program, email marketing automation, compliance with laws. Also created and maintained a Facebook page to increase business exposure and use various SEO techniques, including a blog which I post weekly by leveraging AI & SEO tools and using SEO best practices.

[Limassolian Leathers - Manufacturers of Speciality Leathers](#)