Kacper Agatowski

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Full Clean Drivers Licence

Portfolio Page | https://portfolio-react-92097.web.app/   **GitHub** | https://github.com/KacperA02

Profile:

- Final-year Creative Computing student (Predicted 1:1), eager to pursue a role in frontend or backend development.
- Passionate about building scalable and modern web applications which focus on structured code and seamless user experiences.
- Skilled in API development, database management, and cloud technologies, with hands-on experience in full-stack development.
- A problem-solver who thrives on challenges, continuous learning and stepping outside my comfort zone to expand technical expertise.

Languages:

- English: Fluent
- Polish: Native

Education:

09.2021 – 05.2025	Institute of Art, Design, and Technology	iadt.ie

BSc (Hons) Computing

Modules: Web Development & Design, JavaScript & PHP Programming, Database Management and SQL, User Experience (UX) Design, Mobile Computing and App Development, Operating Systems, Object-Oriented Programming, Cloud Computing and Networking, Data Visualisation, Artificial Intelligence, Interactive Graphics.

Final year project: Developed an automated scheduling application to help businesses simplify employee scheduling. I implemented Constraint Satisfaction Problem (CSP) solvers to efficiently assign shifts to employees while respecting constraints such as availability, preferences and work hours. Features included: shift creation, employee management, availability tracking, weekly report PDF, live updates using WebSocket's, and automated scheduling.
Technologies used: FastAPI (Python), React (JS), CSP algorithms, MySQL, AWS, ShadCN, and Tailwind CSS.

Third year project: Developed a competitive gaming platform to fill the gap in the Call of Duty scene after the closure of Gamebattles. Built the application in a team of two, collaborating closely with a fellow student to implement required features and designs. Features included: team management, match searching and pairing teams based on skill level, displayed users' statistics and rankings and integrated a discord bot for match communication.
Technologies used: Laravel (PHP), React (JS), MongoDB, AWS, Daisy UI, Tailwind CSS and Heroku.

Final Year Result: 1.1 (predicted)
3rd year result: 1:1
2nd year result: 2:1
1st year result: 1:1
Full projects available on Portfolio Page

09.2014 - 06.2020:	Newpark Comprehensive School, Dublin

Leaving Certificate

Technology Skills:

Programming Languages:

- JavaScript: Development of front-end and back-end applications using modern frameworks and tools.
- Python: Data analysis with Pandas and Matplotlib, machine learning with Scikit-Learn, and API development with FastAPI.
- PHP: Full-stack application and API development using Laravel.
- SQL/MySQL: Database management, relational database design, and query optimization.
- C++: Implemented object-oriented programming principles, created classes with inheritance, polymorphism, and encapsulation.

Frameworks & Libraries:

- ReactJS: Development of responsive, cross-platform web applications.

- React Native: Mobile application development for iOS and Android.
- Node.js: Server-side logic and back-end services, RESTful API development with Express.js.
- Laravel: Full-stack web application development.
- Tailwind CSS: Component-based UI design and responsive styling.
- Bootstrap: Responsive web interface development.
- SASS: CSS preprocessor for efficient styling management.

Databases & Data Management:
- MySQL: Database design, query execution, and data retrieval.
- MongoDB: NoSQL database management and data storage with Mongoose.
- AWS RDS: Cloud-based relational database implementation.

Networking & Cloud Computing:
- CCNP (Cisco Certified Network Professional): Knowledge of network protocols, routing, and switching.
- AWS (Amazon Web Services): Cloud deployment and management with EC2, S3, IAM, and Lambda.

Data Visualization & Analytics:
- Tableau: Interactive data visualization and dashboard creation.
- R: Data visualization and statistical analysis.
- Matplotlib & Seaborn: Graph and plot generation for trend analysis.

Career History:

11.2021 - Present**:**   **Jesters Casino, Dún Laoghaire**

Role - Cashier

- Delivered outstanding customer care with interaction and listening skills
- Assisted with shift closes by counting cash and balancing paperwork
- Handled currency payments, secured funds in register and prepared deposits at end of day
- Handled cash and card payments with precision, maintaining customer confidentiality and discretion
- Educated customers on promotions, offers, and special events to enhance sales
- Prepared and submitted end of shift reports using excel and specific functions

08.2020 – 10.2021   **Tesco, Dún Laoghaire**

Role - Customer Assistant

- Guaranteed high levels of customer satisfaction through product knowledge and attentive service
- Prepared products for sales and presented items immaculately for appealing displays
- Assisted customers in locating specific items to boost satisfaction

Interests and Achievements:

Football:
- Vice-Captain of the college football team and actively involved in the football society committee.
- Helped lead the team to two national college cup finals

Golf:
- Enjoy going to the driving range and playing on local courses, especially during the summer months

Scuba Diving:
- Earned my PADI scuba diving license in Koh Tao, Thailand, allowing me to dive at various sites worldwide
- Prefer diving in tropical regions and exploring the marine ecosystems

REFEREES AVAILABLE UPON REQUEST