

# Daniel Deak

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## Professional Overview

Experienced senior frontend developer with exceptional skills solving problems and building software, in particular using React and Typescript ecosystem. Successfully led projects such as enhancing high-traffic websites and implementing modular, user-centric sign-up flows. Eager to leverage expertise to innovate and improve frontend solutions effectively, ensuring a streamlined and secure user experience.

## Employment History

### *Senior Frontend Developer at Waracle*

October 2021 - Present

**Key Skills:** React, Typescript, NextJS, Gatsby, Cypress, AWS, Python, Algolia, Mentoring/Leadership, Website Security, Storybook, TailwindCSS

- Lead consultant for People's Postcode Lottery (PPL), contributing to PPL's high-traffic website with 500k+ unique users weekly.
- Architected a modular sign-up flow, enabling customizable user journeys and developed PayPal's 1-step sign-up flow.
- Migrated the lottery results section from legacy Java/Python to Gatsby React, including data migration, user-centric design, and staged release.
- Enhanced website security, maintained CDN, and integrated internal/external APIs.
- Improved agile processes: championed testing, streamlined Jenkins builds and AWS pipelines, and provided team mentoring/training

### *Frontend Developer at Dataswift*

September 2020 - October 2021

**Key Skills:** React, Redux, Typescript, Scala, AWS, Kubernetes, Github, React-Testing-Library.

- Solely responsible (with one other developer) for all web applications, including creating new products and rebuilding existing projects with React.
- Improved code quality and development processes by introducing React-Testing-Library, eslint/prettier configurations, CI workflows, and standardized project structures.
- Set up a feature-flags mechanism and contributed to transitioning the team from SCRUM to Kanban workflows.
- Took on backend responsibilities, gaining experience with the Scala stack and improving CI pipelines hosted on AWS.

### *Frontend Developer at Insights*

January 2020 - September 2020

**Key Skills:** React, Redux, Typescript, GitLab, AWS, Java.

- Developed the frontend for a new modern stack, transitioning existing C#/.NET projects to React and Java/PostgreSQL.
- Contributed to multiple projects within an agile-scrum environment, refining processes to enhance team performance.
- Set up a CI pipeline using GitLab and AWS (Route53, Cloudfront, S3), automating testing, linting, and production builds

### *Software Developer at Axsy Ltd*

February 2018 - January 2020

**Key Skills:** React-Native, GraphQL, Redux, Redux-Saga, Typescript.

- Developed React-Native applications ensuring compatibility across iOS and Android, with a focus on offline functionality, performance, and scalability.
- Managed GraphQL libraries for data fetching and synchronization, solving complex network-related challenges.
- Created a Slack Bot to automate repetitive tasks, enhancing team efficiency.
- Worked in 2-3 week agile sprints, refining progress through JIRA.

### *Software Developer at GoodPractice Ltd*

April 2016 - February 2018

**Key Skills:** Node, React, Redux, MongoDB, SQL, Webpack, ES6, Babel, Agile.

- Developed internal applications using a React-Redux-WebSocket stack to automate and streamline staff tasks.
- Responsible for full project life-cycle: requirements gathering, updates, demonstrations, and delivery.
- Set up and maintained Linux and Windows servers, ensuring 24-hour uptime for critical content.
- Automated build and deployment processes using Git webhooks, Docker Hub, and Octopus.

#### *Developer, InPractice Systems (INPS)*

June 2014 – April 2016

**Key Skills:** C#, MVVM, WPF, Websockets, Microservices.

- Developed a Windows Presentation Foundation (WPF) desktop application using C# and MVVMCross to support cross-platform compatibility.
- Implemented real-time updates using NodeJS and SocketIO, including building a custom library to adapt to new protocol standards.
- Created RESTful web services for the WPF application using Java in Eclipse and Node.js.

#### *Web Developer, Ninewells Hospital, Dundee*

May 2012 – August 2012, July 2013 – June 2014

**Key Skills:** Java, Spring, Healthcare, Ontologies.

- Restructured databases and implemented a new model for the British Breast Cancer Campaign Tissue Bank, creating Java-based web interfaces.
- Developed ontology-based websites using Protege, Protege-OWL, and OWL-API, and contributed to ontology design and implementation.
- Gained experience with Subversion for version control, continuous integration with TeamCity, and Apache/Tomcat server setups.

#### *Web Developer, University of Dundee, School of Computing*

November 2013 – February 2014

**Key Skills:** Ruby on Rails.

- Developed and updated the School of Computing website, including feature implementation, content transfer, and stakeholder communication.

## Education

### *BSc (Hons) Applied Computing at University of Dundee, Scotland.*

Sept 2009 - May 2013

**Graduated with First-Class Honours (1:1).**

**Key Topics:** Games Development, OpenGL Graphics, Agile Software Development, Web Development (Client & Server-Side), Database Systems, E-commerce, Systems Security, Networking, HCC/HCI, Space Systems.

- Completed diverse projects, including real-world client solutions, fostering teamwork, project management, and proficiency in various programming languages.
- Gained strong expertise in Agile methodologies, emphasizing effective development practices and project delivery.

### **Honours Project:**

- Developed "RubyScript," a browser-based implementation of Ruby using Jruby. Enabled dynamic DOM manipulation with custom '@Document' objects, replicating JavaScript functionality in HTML.

## Interests

**Development:** Staying updated with frontend and JavaScript frameworks by exploring new ideas through test projects.

**Health and Fitness:** Maintaining a fitness-focused lifestyle, inspired by 2020, with an ongoing interest in physical and mental well-being.

**Puzzles:** Passionate about problem-solving through Chess, escape rooms, and coding challenges on platforms like Code Wars