

# JACOB FIELD

## JUNIOR FULL STACK ENGINEER

[jacobprogrammes@gmail.com](mailto:jacobprogrammes@gmail.com)

[LinkedIn](#)

[GitHub](#)

[100 Days Of Code](#)

[Portfolio](#)

---

### PROFILE SUMMARY

I am a highly motivated and team-focused problem-solver, dedicated to launching my tech career. My passion for learning and technology is evident in my Master's research, where I explored the ethical implementations of AI development. This enthusiasm drives my commitment to working in tech, with a focus on creating memorable user experiences. I am analytically minded and am committed to continuous learning and personal development. Drawing from a background in Education, I'm eager to channel my knowledge into my tech career. Beyond work, I hone my musical skills, play guitar, bass, and drums. An ardent American Football fan, I am the founder of a flag American Football team – the Derbyshire Ducks.

---

### EDUCATION

- School of Code Bootcamper – Intense 16-week course, my first role in tech.
- MRes Philosophy (Merit) – University of Reading – Dissertation on the potentials and dangers of A.I.
- BA (hons) Philosophy (2:1) – University of Reading
- A-Level Philosophy & Ethics (B), A-Level History (B), A-Level General Studies (B), A-Level Psychology (C) – St. Mary's Catholic Secondary School Chesterfield

---

### TECH WORK EXPERIENCE

#### Bootcamper

School Of Code

Sept 2023 – Jan 2024

- Developed strong teamwork, problem-solving, and computational thinking in an Agile setting
- Created full-stack applications using HTML, CSS, JavaScript, TypeScript, PostgreSQL, React, Next.js, and Express.js
- Proficient in creating REST APIs, working with JSON files, and prioritising testing
- Enhanced communication and leadership skills through diverse team collaborations
- Focused on pair-programming and problem-solving techniques
- Spearheaded high-performing team to deliver full-stack application in condensed four-week period

#### Notable Projects:

##### OpenAI Haiku Generator:

*I demonstrated my interest in AI and dedication to additional learning by creating a React application, which utilises the OpenAI API to produce Haikus tailored to the user's input. The project demonstrates my ability to create a memorable user-friendly interface, whilst leveraging third party technologies.*

- Enhanced skills in using OpenAI API, managing API Keys, and implementing environment variables with React
- Developed understanding of asynchronous nature of fetch requests
- Overcame issues with data rendering before previous requests were complete

##### The Reading Room:

*The Reading Room is an app designed to encourage children to build positive reading habits, through gamification and a playful user interface. Working Agilely, I cultivated a collaborative environment, built through problem ownership and effective communication, to deliver the product within a tight four-week timeframe.*

- Developed full-stack Next.js app using Chakra UI and SupaBase
- Implemented authentication and created REST API
- Seamlessly merged functionality with design to enhance children's reading habits
- I reduced loading times by 20% by streamlining database queries, and utilising client local storage

### Peak District Pilates Booking App:

*I am currently developing a booking management app for a friend's Pilates business. The app will simplify class announcements, user registration and admin tools. It empowers the business with precise income projections, contributes to resource management and to boosts client engagement.*

- Utilising TypeScript, Next.js, and SupaBase, the app adopts Next.js' component-based structure for organised code and uses server-side rendering for optimised performance and dynamic content delivery.
- The backend employs Postgres triggers and functions to create a dynamic database, ensuring real-time updates
- The frontend dynamically renders content based on the database, ensuring an accurate and up-to-date user experience

### Freedom 4 Girls Cycle Tracker:

*Partnering with Freedom 4 Girls, I lead an Agile team crafting a mobile app for comprehensive cycle tracking, empowering users for better menstrual cycle management and symptom tracking.*

- Utilising React Native, ensuring seamless compatibility for both iOS and Android users.
- Using a dynamic SupaBase backend, the app dynamically adjusts content in real-time with database updates.
- Adopting an iterative approach, the project prioritises flexibility and stakeholder engagement, ensuring alignment with evolving needs and preferences.

## SKILLS

- HTML
- CSS
- JavaScript
- TypeScript
- React
- Next.js
- Node.js
- Express.js
- PostGres
- SQL
- SupaBase
- Angular
- GitFlow
- Jest
- PlayWright
- React Native
- Chakra UI
- GoLang

## ADDITIONAL WORK EXPERIENCE

<b>Teaching Assistant</b>	Immaculate Conception Primary School	May 2023 – Sept 2023
---------------------------	--------------------------------------	----------------------

- Contributed to classroom success by assisting in lesson planning and organisation, ensuring smooth operations
- Maintained open communication and delivered personalised support to students with special needs, fostering their academic progress

**Events Information Assistant**      University of Salford      Feb 2021 – March 2023

- Led essential services for the Events Team, excelling in managing Registration, Graduation, and ID Card collection
- Utilised data analysis to optimise service delivery
- Demonstrated leadership in managing ID Card services and training new colleagues

Admissions Officer BPP University Feb 2020 – Feb 2021

- Successfully promoted the university to prospective students, providing personalised guidance throughout the application process
- Fostered effective communication and built rapport with applicants
- Surpassed enrollment targets while ensuring efficient and effective communication throughout the process

## ACHIEVEMENTS

<b>St Patrick's Hall JCR President</b>	University of Reading	Sept 2016– June 2017
--	-----------------------	----------------------

- Developed leadership skills and collaborated with my team of nine in welcoming 300 new students into their residence halls
- Coordinated events, such as 'Welcome Week,' and provided welfare services to students
- Successfully fundraised and managed the Hall's finances to resolve £3,000 debt to the student's union

**Environment & Ethics Officer**      University of Reading      Sept 2016– June 2017

- Led students in reducing the University's carbon emissions to under 40%
- Created university-wide projects, such as the 'Environmental Ambassadors' project of 100 ambassadors
- Organised lake clean-up projects and coordinated environmentally focused campaigns