JACOB FIELD

JUNIOR FULL STACK ENGINEER

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[LinkedIn](#) | [GitHub](#) | [100 Days Of Code](#) | [Portfolio](#)

PROFILE SUMMARY

I am a highly ambitious Junior Full Stack Developer, committed to launching my tech career. As a problem solver at heart, I use my skills to create impactful technology solutions. I have experience developing full-stack applications in cross-functional, Agile teams and thrive when learning new skills and technologies to create real-world tech solutions. My notable projects, including a booking management system for Peak District Pilates and an AI-powered Haiku Generator, demonstrate my ability to blend functionality with user-centric design. With a strong foundation in problem-solving and team collaboration, I am dedicated to continuous learning and personal development to drive innovation in the tech industry.

SKILLS

- HTML
- CSS
- JavaScript
- React
- Next.js
- TypeScript
- Node.js
- Express.js
- PostGres
- SQL
- SupaBase
- Python
- Git / GitFlow
- Jest
- PlayWright
- React Native
- CI/CD
- Figma
- Communication
- Teamwork
- Collaboration
- Adaptability
- Agile
- Product

TECH WORK EXPERIENCE

Bootcamper   School Of Code   Sept 2023 - Jan 2024

- Developed strong teamwork, problem-solving, and computational thinking in cross-functional, Agile teams.
- Pair-programmed and worked in close, high functioning teams to plan and deliver collaborative goals.
- Created full-stack applications using HTML, CSS, JavaScript, TypeScript, PostgreSQL, React, Next.js, Node.js and Express.js, writing resilient code that adhered to best practices.
- 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 (Personal Project):

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 (Bootcamp Final Project):

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 (Volunteer Work)](#):

I have recently developed a booking management web app for a local Pilates business. The app simplifies class announcements, user registration and admin tools. It empowers the business with precise income projections, contributes to resource management and 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 (Volunteer Work)](#):

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.

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

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ADDITIONAL WORK EXPERIENCE

Teaching Assistant   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

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ACHIEVEMENTS

St Patrick's Hall JCR President   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