JACOB FIELD

JUNIOR FULL STACK ENGINEER

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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. — Sept 2023 - Dec 2023
- MRes Philosophy (Merit) - University of Reading – Dissertation on the potentials and dangers of A.I. — Sept 2018 - Dec 2019
- BA (hons) Philosophy (2:1) - University of Reading — Sept 2015 - June 2018
- 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 — Sept 2012 - June 2014

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:

- Demonstrated passion for AI and commitment to learning through React-based app
- Utilised OpenAI API to generate Haikus based on user input
- Created simple yet impactful user experience
- 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:

- Cultivated collaborative, Agile environment through ownership and robust communication
- 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
- Introduced gamification inspired by Duo Lingo with playful avatar
- Elevated user engagement with interactive features

Peak District Pilates Booking App:

- I'm currently developing booking management web app for Pilates business
- The app simplifies class posting, user registration, and admin tools for class management
- It empowering business with precise income projections and resource efficiency
- It utilises TypeScript, Next.js, and SupaBase backend for dynamic application
- I have created a dynamic database for real-time updates, using Postgres triggers and functions
- Ensuring smooth user experience with dynamically adjusting frontend interface

Freedom 4 Girls Cycle Tracker:

- I'm collaborating with an inspiring charity, dedicated to ending inequalities associated with menstruation through technology to develop native mobile application
- The App utilises React Native and SupaBase for efficient development
- It empowers users with period tracking features to predict cycles and manage symptoms, providing valuable resources and guidance from F4G
- It leverages declarative programming for creating memorable user experiences

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SKILLS

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

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