

# Jaswinder Bhogal

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## Junior Software Developer

Technically proficient and innovative professional with expertise in JavaScript, Node.js, React, and database management technologies. Trained in both front-end and back-end development, highly skilled in creating scalable web APIs and dynamic, innovative user interfaces. Excellence in employing test-driven development practices to enhance software reliability and performance. I possess a solid technical communication and paired programming foundation, underpinned by a comprehensive understanding of agile and scrum methodologies. Expert at merging technical acumen with a systematic approach to deliver high-quality software solutions that enhance user experience and operational efficiency.

## Areas of Expertise

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- Software Development
- RESTful API Design
- Database Optimisation
- Secure Coding Practices
- Source Code Management
- Software Development Life Cycle
- React Development
- Cross-Team Collaboration

## Technical Proficiencies

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<b>Programming Languages:</b>	JavaScript (Node.js, browser environments)
<b>Testing:</b>	Test Driven Development (TDD) with Jest and Supertest
<b>Front-End Development:</b>	HTML, CSS, React, React Native, Accessibility tools including Lighthouse
<b>Back-End Development:</b>	SQL, PostgreSQL (PSQL), NoSQL, Database Seeding & Migrations
<b>Hosting:</b>	Cloudflare, Netlify
<b>Additional Skills:</b>	Paired programming, Technical communication, Secure Software Development Lifecycle (SDL), Agile and SCRUM methodologies

## Professional Experience

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Northcoders – Remote

December 2023 – April 2024

### Trainee Software Developer

Engaged in rigorous software development training, mastering coding principles and technologies from foundational to advanced levels within an intensive bootcamp structure. Developed a comprehensive understanding of the software development lifecycle, applying theoretical knowledge to practical coding challenges. Created and refined web APIs using Express and Node.js, focusing on back-end development to support scalable applications. Designed and implemented dynamic front-end interfaces utilising React and JavaScript based on APIs developed during back-end training.

### Key Contributions:

- Succeeded in completing three significant projects, focusing on different aspects of software development, such as back-end, front-end, and full-stack applications whilst serving as a trainee software developer.
- Built robust web API using Express and Node.js, demonstrating proficiency in server-side programming and API development.

- Acquired and applied in-depth knowledge of the software development process, from initial design through deployment, enhancing project execution and delivery.

## Key Projects

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### NC News Back-End:

- Engineered a RESTful API, modelled on prominent back-end services similar to Reddit, utilising JavaScript and Node.js.
- Developed a robust infrastructure capable of executing comprehensive CRUD (Create, Read, Update, Delete) operations.
- Leveraged PostgreSQL for database management to ensure efficient data handling and storage.
- Enhanced system reliability and performance through comprehensive testing with Jest and Supertest.

### NC News Front-End:

- Developed a dynamic web application for delivering news articles, employing React.js for responsive user interfaces.
- Integrated Axios for efficient API interactions, connecting seamlessly with a custom-built back-end to fetch data in real-time.

### iTinerary App:

- Innovated a travel planning application using React Native and Expo, providing personalised activity and dining recommendations.
- Incorporated a smart travel bot, which tailors suggestions based on user preferences, enhancing user engagement.

## Additional Experience

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### Locum Pharmacist, Jazz Pharm Ltd (Mar 2022 – Present)

Enhanced patient outcomes by providing expert counselling on medication management, thereby establishing trust and improving adherence. Spearheaded pharmaceutical care by monitoring drug interactions and contraindications, enhancing patient safety.

### Pharmacy Manager, Cohens Chemist (Apr 2021 – Mar 2022)

Managed flu vaccination clinics in collaboration with local healthcare entities, boosting community health services. Directed a team of four, catalysing a 20% surge in performance metrics such as NMS and hypertension case findings through strategic leadership.

### Relief Pharmacist, Cohens Chemist (Jul 2019 – Mar 2021)

Excelled in patient care management, optimising health outcomes with proactive problem-solving and dedicated patient counselling. Demonstrated versatility across various pharmacy settings, maintaining service excellence and continuity of care during critical staffing changes and high-demand periods.

## Education

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### MPharm, Masters of Pharmacy, (Grade: 2:1)

University of Keele, September 2015 – June 2019

### A-Level Studies, Subjects: Psychology (A), Chemistry (B), Biology (B), AS Mathematics (A)

Handsworth Grammar School, September 2013 – June 2015