

Biswas Simkhada

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EDUCATION

University of New South Wales

Bachelor of Computer Science

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Database Systems, Computer System Architecture, Team Software Development, Shell Scripting, Frontend Engineering, Cybersecurity Engineering.

Expected Graduation: Dec 2025

Kensington, NSW

EXPERIENCE

Sales Team Leader

Feb 2023 – Oct 2023

Be Interactive Australia

Haymarket, NSW

- Thrived in a direct sales environment, generating \$700 a day, totalling over \$75,000 in sales within 9 months.
- Recruited, trained, and led a team of 8 sales representatives, enhancing their sales strategies in a team setting.
- Educated the team on utilizing Law of Averages and Impulse Factors in pitches to improve performance and enable representatives to leverage customer decision-making moments, leading to a 25% increase in team sales.
- Consistently surpassed monthly team sales targets by 16%, exceeding the business' weekly sales goal of \$60,000.

SOFTWARE PROJECTS

Tributary Event Processing System | Java, JUnit, Mockito, JSON, Gradle

Mar 2024 – Apr 2024

- Constructed a Multi-Type Event Processing System API in Java, with parallel data processing and assured type-safety by implementing Concurrency and Generics alongside important OOP Design principles.
- Incorporated key OOP Design patterns such as Singleton & Abstract Factory patterns to compact and synchronize event production consumption, and Strategy & Observer patterns to streamline event allocation.
- Achieved ~85% testing coverage by conducting over 75 tests in JUnit and Mockito to ensure system reliability.
- Designed a message replay feature to allow events to be replayed from specific offsets, enabling error checking and correction without compromising system performance.

Kahoot! Emulator | TypeScript, JavaScript, Node.js, Express, JSON, npm, Vercel

Sep 2023 – Nov 2023

- Engineered a Kahoot! emulator API named 'Toohak!' utilizing TypeScript and JavaScript alongside the Node.js and Express frameworks, and learning deployment fundamentals through Vercel for scalability and performance.
- Collaborated in a team of 5 using Gitlab to program the RESTful API with a full suite of HTTP requests, while reaching key project milestones over the course of 2 months.

EXTRACURRICULAR PROJECTS

Accenture Software Engineering Program | Forage

Apr 2024 – May 2024

- Integrated a search functionality into an e-commerce platform's RESTful API with Java and Spring Boot, followed by conducting over 50 unit tests in Spock to guarantee features performed correctly.
- Participated in an Agile session, discussing and breaking down software features into sets of smaller user stories.
- Focused on key user deliverables such as shipping options, payment processing, and shopping cart features.
- Designed and established a CI/CD testing pipeline with Gradle and Jenkins to create automated tests across all GitHub repository branches, resulting in greatly enhanced efficiency when testing and merging code.

Atlassian x UNIHACK Hackathon 2024 | UNIHACK

Feb 2024 – Mar 2024

- Programmed a website called Bis' Kitchen with a team of 4 to display a range of cultural dishes and recipes.
- Contended for UNIHACK's Most Engaging Pitch Award with a compelling video walkthrough of Bis' Kitchen.
- Developed an interactive front-end for Bis' Kitchen in React and HTML, while integrating an external API, React Routers and other styling components to build a complete and functional UI.

Computer E-commerce Store | eBay.com

Aug 2019 – Sep 2022

- Operated an eBay store specialising in refurbished desktops, generating over \$20,000 in revenue over 3 years.
- Sold over 2,000 units consisting of RAM, CPU, GPU, and Desktops with a customer approval rate of 99.5%.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, C, HTML, CSS.

Frameworks: JUnit, React.js, Node.js, Express, TypeScript.

Developer Tools: Git, GitLab, GitHub, PostgreSQL, Gradle, npm, Homebrew, Vercel, Visual Studio Code.

Hobbies and Interests: History & Religion, Boxing, Poetry.