

Nathan Gorsch

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An adaptable and driven professional, passionate about AI, game development, and website interconnectivity. With keen pattern recognition skills, honed through a love for gaming, I excel at rapidly acquiring new knowledge, staying ahead in the fast-paced world of technology. My self-awareness enables me to identify gaps in my understanding and proactively pursue solutions through self-study. A perfectionist at heart, I am committed to delivering exceptional results in every project I undertake. As an avid AI enthusiast, I am excited about harnessing the power of machine learning to revolutionize systems and processes, making meaningful contributions to the organizations I work with.

EXPERTISE

Technical Skills:

Web Development: Real-world experience with HTML, CSS, JavaScript, and SQL.

AWS Microservices: Proficient in implementing and maintaining Amplify, S3, Cognito, DynamoDB, SES, and GraphQL.

Programming Languages: Academic experience in Java, C++, and Python, focusing on object-oriented programming concepts.

Data Structures & Algorithms: Proficient in applying academic and real-world knowledge to solve complex problems.

Language Conversion: Skilled in adapting existing software to different languages.

AI Machine Learning: Academic experience using Rapid Miner for machine learning projects.

GitHub: Proficient in version control systems and collaboration.

Microsoft Office365: Competent in using Office applications for various tasks.

Non-Technical Skills:

Communication: Strong presentation, documentation, and verbal skills.

Teamwork: Experience working in both small and mid-sized teams, contributing effectively to achieve common goals.

Problem Solving: Adept at troubleshooting and finding solutions.

Project Management: Experienced in Jira, Agile, and Waterfall methodologies.

Task Prioritization: Effective execution in challenging environments.

Adaptability: Demonstrated ability to thrive in various roles, from software development to customer service and self-managed contract work.

Organization: Excellent time management and planning abilities.

Leadership: Co-project lead on a software development project, coordinating team responsibilities and meeting deadlines.

EXPERIENCE

Sage Natural Cleaning – Wollongong, *Contract Employee*

October 2022 – Current

As a part-time contract employee at Sage Cleaning, I effectively manage multiple responsibilities in a highly independent work environment. I excel in organizing and prioritizing tasks, adapting to client needs, and coordinating with Sage Operations. I uphold high standards of cleanliness and hygiene while maintaining strong relationships with clients through professional communication. Additionally, I handle financial matters such as invoicing, expense tracking, and regular communication with Sage Operations for transparent financial reporting.

Satori Assured AU/NZ – Sydney, *Customer Care Consultant*

May 2022 – July 2022

Customer care team member apart of a mid-sized team consisting of 8 members. My position focused on customer service through an in-house ticketing system. Additional communication with customers was conducted through email in a professional manner. My position also handled updating and verifying customer data.

Lord of the Trees, *Software Consultant*

March 2021 – November 2021

As a co-project lead for Lord of the Trees, I played a pivotal role in collaborating with a team of talented developers to design and develop an environmentally conscious web-based application. The primary goal of this application was to provide users with a comprehensive method for calculating and offsetting their carbon emissions, ultimately helping them reduce their carbon footprint.

To achieve this objective, we employed a ReactJs-based front-end, seamlessly integrated with a suite of AWS microservices. These included Amplify for online hosting, S3 for image storage and application containment, Cognito for secure user authentication, DynamoDB for storing user data, and GraphQL as an API to access our stored data efficiently.

We carefully assigned IAM roles to team members, ensuring they had the appropriate permissions to access necessary microservices. Furthermore, we utilized Jira as a project management tool to coordinate our team effectively, assign responsibilities, and track progress. This approach allowed us to meet deadlines while maintaining clear communication regarding task completion.

To streamline our workflow, we adopted the Agile framework and implemented daily SCRUM standup meetings. These short, focused sessions facilitated open communication about ongoing tasks, potential issues, and problem-solving strategies. As part of our commitment to continuous learning and collaborative growth, we rotated Scrum Master responsibilities among team members, giving everyone an equal opportunity to develop their leadership skills.

Woolworths, *Checkout Operator/Night Team Member*

September 2014 – January 2016

As a Checkout Operator and Night Team Member at Woolworths, I developed strong customer service and problem-solving abilities in a dynamic retail environment. My responsibilities included efficiently handling transactions, maintaining store presentation, and collaborating with my team to ensure smooth operations and a positive customer experience.

EDUCATION

University of Wollongong, Bachelor of Computer Science (Software Engineering)

February 2018 – November 2021

University of Wollongong, University Entrance Certificate (Stream 2: Information Technology)

February 2016 - November 2017

Eden Marine High School, Higher School Certificate (HSC)

January 2010 – November 2015

University of Wollongong, Summer Master Class

November 2015 – December 2015

REFERENCES

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CEO & Founder at Lord of the Trees