

# DANIEL BOZINOVSKI

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## INTRODUCTION

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**Full Stack** Software Engineer with over **3 years industry experience** in fast-paced, high output startups recently focusing on the **integration of AI & LLMs** into software solutions

## PROFESSIONAL EXPERIENCE

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**Software Engineer:** *Workflow86 (Y-Combinator 2022)*

01/2022 - Current

- **Tech Stack:** Java (Spring Boot/Native, JUnit) | React | JavaScript | Rabbit MQ | Node.js | AWS | MongoDB | PostgreSQL | LLMs (GPT, OpenAI) | Docker | GraphQL | HTML | CSS | Redux | Playwright | Jenkins | Selenium
  - Led the integration of core functionalities using **React, Java Spring Boot, Rabbit MQ, Node.js**, and **GraphQL**, meeting key **product launch deadlines** and **stakeholder expectations**
  - Managed the migration to **LangChain** from an outdated **OpenAI Java library**, upgrading the **platform's AI capabilities** for more **dynamic and scalable interactions**
  - Streamlined user workflow automation with **AI-driven features**, enabling the **creation and modification of workflows** from **simple text descriptions** in a no-code environment, thereby significantly enhancing usability for customers
  - Engineered a **notification microservice** using **Spring Boot** and **RabbitMQ**, configuring message queues and routing exchanges and setup relevant **AWS Elastic Container Service (ECS)**, **Docker** containers, and **CI/CD pipelines**
  - Built a **Spring Boot GraphQL microservice** for form annotations allowing collaborative form features for customers
  - Implemented a **CQRS-based event-driven architecture system across all AI chats**, supporting chat history recovery and improving user experience and system robustness
  - Developed **comprehensive unit** and **end-to-end (E2E)** tests using **Playwright**, integrated into the **Jenkins CI/CD pipeline** to enhance code quality and streamline deployment efficiency
  - Performed **extensive code refactoring across microservices**, enhancing code reusability and readability, and **maintained high system availability** through an **on-call production support roster**
  - Reviewed **numerous production merge requests** to ensure **high-quality standards** and adherence to best practices

**Software Engineer:** *Assess Threat*

08/2021 - 02/2022

- **Tech Stack:** React | TypeScript | Python | Flask | AWS | MongoDB | HTML | CSS | Redux
  - Orchestrated the **redesign of the existing product portal** leveraging **React** and **TypeScript**, improving user interaction and accessibility for terrorism risk assessment reports
  - Resolved **production issues** across microservices using **Python** and **React**, **boosting system stability** and user experience
  - Actively participated in daily scrums and weekly sprint planning, ensuring project milestones aligned with strategic goals

**Full Stack Engineer, Intern:** *Success Tutoring*

06/2020 - 05/2021

- **Tech Stack:** React | JavaScript | HTML | CSS | AWS | Redux
  - Led the **creation of a Full Stack Kiosk software** using **React** and **Node.js**, enabling **hundreds of customers** to effectively book lessons and **process lesson payments via Stripe's API**
  - Collaborated in **designing a comprehensive CMS/Tutoring Portal** with a custom-built timetable, leveraging **AWS** and **React** to **facilitate online bookings** and payments for students, staff, franchisees and customers

## EDUCATION

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**University of New South Wales** | Kensington

*B.S. Computer Science (with Distinction)*

February 2018 – December 2021