# DANIEL BOZINOVSKI

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**Full Stack Software Engineer** with over **3 years industry experience,** specializing in **AI** and **software integrations** within dynamic **startup** environments. Expert in developing scalable solutions using Java, React, and cloud technologies

## PROFESSIONAL EXPERIENCE

**Software Engineer**: *Workflow86 (Y-Combinator 2022)*                              Jan 2022 – May 2024

- **Tech Stack:** React | Java (Spring Boot/Native) | Node.js | AWS | MongoDB | PostgreSQL | Rabbit MQ
  - Significantly **enhanced product usability** by introducing **AI-driven features** that streamline workflow automation, enabling users to effortlessly **create and modify complex workflows** from **simple text descriptions** in seconds, in a no-code environment
  - Enhanced and managed the **Stripe payment's integration** to increase reliability and expand subscription offerings, **significantly improving transaction efficiency and financial robustness**
  - Managed the migration to the **Java LangChain** library, boosting **AI interaction capabilities** and enhancing request processing, request reliability and **streaming performance**
  - Engineered a **notification microservice** with **Spring Boot** and **RabbitMQ** to centralize all alerts into a single system, including **user signups** and **error notifications**. Configured the AWS ECS, Docker, and CI/CD pipelines, enhancing operational efficiency and reducing response times
  - Built a **Spring Boot GraphQL microservice** for form annotations, allowing collaborative form features for users
  - Created a **CQRS-based event-driven** architecture for all AI chats, enabling chat history recovery and enhancing user experience and system reliability
  - 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 adherence to high-quality standards and best practices

**Software Engineer**: *Assess Threat*                              Aug 2021 – Jan 2022

- **Tech Stack:** React | TypeScript | Python | Flask | AWS | MongoDB | 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 UX
  - Actively engaged in daily scrums and weekly sprint planning to align project milestones with strategic goals

**Software Developer**: *Success Tutoring*                              June 2020 – Apr 2021

- **Tech Stack:** React | JavaScript | 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

**University of New South Wales** | Kensington                              Feb 2018 – Dec 2021
*B.S. Computer Science, Software Engineering (with Distinction)*