BRAYDEN **MARSH**

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Entrepreneur with over 7 years of professional experience as a business owner, including 3 years in managerial roles. Junior software engineer for 2 years with proficiency in modern ES6+ Javascript, Python, and full-stack development. Passionate about automation, AI, and machine learning, with a proven track record in leading successful tech ventures.

EXPERIENCE

2022

FOUNDER/LEAD DEVELOPER, PROJECT: DOUGBERT

- Initiated and lead a groundbreaking project to create an AI-based online persona that generates unique and engaging content for social media platforms.
- Leveraged the OpenAI API and Twitter API to enable the persona to write and post its own tweets, basing content on data scraped from its following and allowing users to select from 3 distinct personalities.
- Developed a Discord bot that provides users with a variety of functions, including following/unfollowing, checking and deleting database documents, and leaving reactions to post ideas in Notion.
- Currently offline due to twitter API changes, but looking for an opportunity to bring Dougbert back online.

2023

FOUNDER/LEAD DEVELOPER, PROJECT: HEYLANA

- Built and programmed an in-home AI smart assiatnt.
- Leveraged the OpenAI API, web3 rpcs and API's to create text generations as well as interacting with the solana blockchain.
- Utilised whisper and elevenlabs for speech-to-text and text-to-speech
- Put together all the hardware, including embedding a microcontroller and microphone into a speaker.

2023

FOUNDER/LEAD DEVELOPER, PROJECT: SOLANOID.XYZ (HACKATHON WINNER)

- Developed an AI chatbot that connects developers with the right GitHub repositories using Pinecone, OpenAI, Sveltekit, Javascript, Typescript, HTML, and CSS.
- Designed to help developers find relevant resources by asking questions, allowing users to find and peruse code in repositories.
- Enabled unique interactions with individual repositories, providing snippets of code and responses based on the returned code.

2023
FOUNDER/LEAD DEVELOPER, PROJECT: LINKSAI (HACKATHON WINNER)

- Developed an AI discord bot that facilitates minting cNFT's on Solana through chat, users were able to engage in discussion with the bot and ask for it to mint them some cNFT's.
- It had the ability to send and receive money using tiplinks, allowing users to distribute tokens to their discord members.
- Had a friendly personality and was able to mint 30 cNFTs and distribute 3 different types of SPL tokens.

2017 - 2019
MANAGER, BUZZTECH PHONE REPAIRS (2017-2019)

- Oversaw the operations of the company's largest store, managing a diverse team to provide high-quality retail support and iPhone/iPad repairs.
- Trained over 5 new staff members, fostering a culture of excellence in customer service and technical knowledge.
- Successfully handled complex troubleshooting and repair tasks, ensuring customer satisfaction and repeat business.

2017 – PRESENT
DIRECTOR, TECH ON DEMAND (2017 – PRESENT)

- Founded and grew Tech on Demand from a start-up to a successful IT support business with a stable annual revenue of 100k AUD, marking a 300% increase within two years.
- Provide comprehensive IT support to a wide range of clients, specializing in repairing and building PCs and assisting with various tech-related issues.
- Skilled in communicating with clients of all technical skill levels, with a particular talent for assisting the elderly in understanding and utilizing digital tools such as email and Google.
- Developed a reputation for breaking down complex tech concepts into easily understandable language, enhancing client engagement and satisfaction.

EDUCATION

MECHATRONICS ENGINEERING, DEAKIN UNIVERSITY (GRADUATED JUNE 2021)

- Graduated within the top 10% of the class with honors.
- Completed a thesis in machine language (G-code), simulating a filament winder in process. Achieved a score of 95% for thesis and content.
- Gained comprehensive knowledge and skills in various areas including:
  - Object-oriented programming
  - High level mathematics.
  - Mechatronics/electromechanical design.
    Artificial intelligence, focus on machine learning.
  - Virtual reality, design of a monopoly game within a VR environment.

CERTIFICATE IV IN INFORMATION TECHNOLOGY

- Earned a Cert 4 IT certification, demonstrating a solid foundation of IT knowledge and skills.

SKILLS

TECHNICAL

- Proficient in Python and C++
- Knowledgeable in Pinecone index, MongoDB, MySQL and Planetscale, supabase
- AI tooling with OpenAI functions, elevenlabs and whisper
- Experience in JavaScript and typescript programming
- Frontend design with Sveltekit, html and CSS, React
- Developed using Anchor
- Git, Docker, Cloudflare, Heroku

BUSINESS SKILLS

- Proven business management and growth, as demonstrated by the success of Tech on Demand
- Experience in training and managing staff in a retail environment.

SOFT SKILLS

- Highly motivated and self-driven, always seeking to learn and improve.
- Strong communication skills, particularly in explaining complex ideas in simple language.
- Excellent problem-solving abilities, used extensively in troubleshooting and repairs.
- Fast learner, able to pickup skills very quickly.

ACTIVITIES

- **Engineering internship in China (2019):** Participated in designing the body of a device used to externally check pipes for cracks, contributing to improved efficiency and safety in the industry.
- **Programming Projects:** Regularly engage in personal programming projects in my spare time, including developing a property scraping bot for analyzing market trends and a trading card scraper for analyzing prices of trading cards.
- **Travel:** Gained global exposure through travels to:
    - United States (baseball, 2012) with trips to San Francisco, Las Vegas, Los Angeles, and Utah.
    - Japan (baseball, snowboarding, 2013 and 2019)
    - Various other destinations like China (engineering internship, 2019), Bali, Fiji, Thailand, and Singapore.
- **Sports:** Active participant in baseball throughout winter, and an avid snowboarder, having experienced most Australian mountains.
- **Reading:** Enjoy unwinding with fictional reading.