

# Ben Harvey - Resume

Email: ben@harvey.onl

Currently living and working in Newcastle NSW, Australia, I am a developer with a love for all things technology. I specialize as a full-stack engineer and have experience in developing solutions for both frontend and backend. My passion for innovative software solutions is supported by regular professional learning opportunities, undertaken in my personal time, which demonstrate I have a strong drive to stay at the forefront of web-based technologies. I am pragmatic in my approach to solving solutions and pride myself on finding simple solutions that fit the business need.

Having worked extensively in teams of software developers I am comfortable communicating over a range of mediums including; face to face, video and voice conference and text based applications. During my career I have worked with a range of multiple cross-functional teams and find I have a natural aptitude when collaborating on everything from project design phases to technical architecture and implementation.

## Skills

During my career I been exposed to a number of different technology stacks. I feel confident both build new projects and maintaining existing projects using the following:

### Frontend

I have gained experience over many projects using a range of frontend technologies, these include:

- React
  - Vanila React
  - NextJS

- Gatsby
- Angular
- Typescript
- HTML
- CSS
- Various testing frameworks
  - Mocha
  - Sinon
  - Jest

## **Backend**

I have demonstrated my robust experience in the following languages and frameworks:

- NodeJS
  - Express
  - NestJS
- Typescript
- C# .net framework / .NET core
- Python
  - Django
- SQL
  - Postgres
  - MSSQL
- Go

## **Infrastructure and DevOps**

### **General**

Through my career I not only been involved with writing application but have enjoyed being involved with designing and implementing the platforms that they run on. I have experience deploying, maintaining and monitoring application on a number of platforms.

I have experience with the following infrastructure as code and configuration management tools:

- Terraform
- Ansible
- AWS cloud formation
- Docker
  - Writing docker files for both development environments and deployment to production
  - Docker-compose for orchestrating environments for development and testing

### **AWS Cloud infrastructure**

I have used AWS (Amazon web services) to deploy and run cloud native applications and have exemplary knowledge and understanding of the following:

- Deploying applications using ECS
- AWS Lambda and API gateway
- RDS
- DynamoDB
- S3
- Lambda and serverless applications
- General AWS deployments and networking
- Route53

## **Continuous integration and deployment**

In addition to deploying applications to public clouds such as AWS I have a robust understanding of continuous deployment and integration practices. During my career, I have used multiple systems to implement build pipelines and feel confident in implementing these methodologies in any system or framework. The key products which I have utilised include:

- Buildkite
- Gitlab CI
- Bambo
- Octopus deploy

## **Kubernetes**

Recently I have seen the growing need for skills in running and deploying application on Kubernetes. Though I have not yet worked with a company that is using kubernetes in a production capacity I gained experience on personal projects with the following:

- General kubernetes administration and application deployment
- Helm
- ArgoCD

## **Career History**

### **January 2021 - Present, SwitchdIn**

#### **Web Services Engineer**

Key responsibilities:

- Work as part of a small team to build and maintain a customer focused cross-platform mobile app using Angular and Ionic
- Contribute as a core member of the backend team to improve and maintain an internal API using Python and Django
- Participate in planning sessions and workshops to refine new ideas and prepare documentation and work plans ready for implementation

- Mentor junior team members through code review and 1 on 1 coding sessions

## **March 2020 - Present, Mudbath**

### **Senior Software Developer**

Key responsibilities:

- Work with client requirements to design robust software systems
- Write and review project documentation and designs
- Implement code based on project requirements and brief
- Mentor junior team members through code review and 1 on 1 coding sessions
- Work as part of a cross functional team to meet client needs

## **June 2019 - March 2020, nib Health Funds**

### **Senior Software Developer**

Key responsibilities:

- Leading delivery teams in day to day functions
- Mentoring of junior developers in:
- Coding practice
- System design and analysis
- Work as part of cross functional team to develop software solutions for internal and external facing customers
- Design technical solutions to meet business needs.
- Undertake preparation tasks to scope and design solutions
- Work with different business areas to ensure a cohesive approach to ensure design solutions meet requirements
- Maintain applications as part of business-as-usual operations

## **2017 - June 2019, nib Health Funds**

### **Full stack software developer**

Key responsibilities:

- Work as part of cross functional team to develop software solutions for internal and external facing customers
- Design technical solutions to meet business needs.
- Undertake preparation task to scope and design solutions
- Work with different business areas to ensure a cohesive approach to ensure design solutions meet requirements
- Maintain applications as part of business-as-usual operations

## **2016 - 2017, SwitchdIn**

### **Software Developer**

Key responsibilities:

- Design and development of web platform frontend web stack (Postgres / Django / Nginx Angular JS on Amazon web services)
- Planning for scaling web platform
- Troubleshooting day to day issues
- Working with customer feedback to improve the overall experience of the web platform

## **2015 - 2016, Forsythes Information Technology**

### **Software developer**

Key responsibilities:

- Working as part of a scrum team to produce web based solutions for clients
- Full stack development using Microsoft technologies
- Creating and maintaining internal and customer facing documentation
- Analysis of projects from high level through to task based detail

- Planning, Creating and maintaining customer and internal server infrastructure
- Creating and maintaining internal continuous delivery pipeline

## **2014 - 2015, Forsythes Information Technology**

### **Level 1 Support Desk Engineer**

Key responsibilities

- Process and ticket management
- Troubleshooting customer workstation and server issues
- Troubleshooting customer network issues
- Working as part of a larger team to maintain client infrastructure
- Maintenance and improvement of internal and customer facing documentation

## **Education**

### **2011-2014. Newcastle University**

Bachelor Information Technology Major: Software Development and Applications

### **2009-2010. TAFE Hunter Institute.**

Diploma of Surveying

### **Hunter School Of Performing Arts**

High School Certificate