

Alex Betts

Software Developer

Contact

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Skills

- Programming language polyglot
- UI/UX design with Figma
- Git and SVN version control
- Web development
- Mobile development
- Agile project management with Jira
- Documentation creation with Confluence
- Leadership
- Always eager to learn

Hobbies

- Programming
- Design
- Origami
- Painting
- Reading
- Hiking
- Travelling
- Swimming

Personal Profile

I am a skilled and highly-driven software developer with a passion for designing clean, beautiful user interfaces. I am constantly searching for exciting new challenges and I always strive to learn something new every day. I have been writing code ever since I was a little kid, and I started my programming journey with an Arduino. Since that day, I've been hooked on code, and I've taken every opportunity to further my education in the field of computing. I have also taken on many projects using a variety of languages and technologies.

I graduated from university with a first class honors degree in computer science with AI. During my time there, I had one year of industry experience as a student software engineer at Edwards Vacuum. Today, I am a graduate software engineer at Edwards Vacuum, where I mostly write Flutter/Dart, TypeScript, Go, Rust, and Python code, with some other languages like C# sprinkled in. I frequently take initiative and often spearhead the development of useful tooling and services for my team and the company, as well as the migration and improvement of current systems to more stable and secure technologies.

When I am not writing code, I can most likely be found hiking through woodlands, doing some origami, or reading a fantasy novel. From time to time, I also like to paint a variety of different scenes and worlds on mini-canvases, and practice my cooking skills.

Work History

SOFTWARE ENGINEER

Edwards Vacuum SAS | Paris, FR | Feb '25 - Present

Responsibilities:

- Work as part of a team to develop the new common controls platform UI
- Lead the conversion of a big project to a more modern and stable development framework
- Spearhead the development of useful tools and packages for the team to improve productivity and development speed
- Create and manage documentation and tutorials for various aspects of the project using Confluence
- Create and manage designs for the UI and tools using Figma

Tech Stack: Flutter/Dart, JavaScript, C#, .NET, Python

Dev Tools: Teams, Jira, Confluence, Figma, Azure DevOps, Insomnia

GRADUATE SOFTWARE ENGINEER

Edwards Vacuum Ltd. | Eastbourne, UK | Aug '23 - Feb '25

Responsibilities:

- Work as part of a team to develop the new common controls platform UI
- Lead the conversion of a big project to a more modern and stable development framework
- Spearhead the development of useful tools and packages for the team to improve productivity and development speed
- Create and manage documentation and tutorials for various aspects of the project using Confluence
- Create and manage designs for the UI and tools using Figma

Tech Stack: SvelteKit, Durandal/Knockout, Less CSS, Hapi, C#, .NET

Dev Tools: Teams, Jira, Confluence, Figma, Azure DevOps, TeamCity, Upsource, Axosoft, TortoiseSVN, Insomnia

STUDENT SOFTWARE ENGINEER

Edwards Vacuum Ltd | Eastbourne, UK | Aug '21 - Aug '22

This was my Year-in-Industry as part of my computer science course at University.

Responsibilities:

- Work with a team to develop customizable software which can display, manage, and control the vacuum pump systems
- Participate in scrum meetings, such as the daily stand-up and end-of-sprint planning
- Create code reviews of my changes and review other team members' code

Tech Stack: Durandal/Knockout, Less CSS, Hapi, C# .NET

Dev Tools: Teams, TeamCity, Upsource, Axosoft, TortoiseSVN

STUDENT SOFTWARE ENGINEER

Edwards Vacuum Ltd | Eastbourne, UK | Jun '20 - Sep '20

This was a summer placement position where I was tasked with developing a student project.

Responsibilities:

- Design a physical device which interfaces with the vacuum pump controllers and collects data for display
- Create a cross platform application to view and manage the data gathered from the pumps and show any warnings or errors
- Participate in scrum meetings, such as the daily stand-up
- Frequently create and respond to code reviews for any new additions to my project

- Demonstrate to the team new features that I added for continuous feedback and improvement

Tech Stack: C (Arduino), Flutter, MQTT

Dev Tools: Teams, TeamCity, Upsource, Axosoft, TortoiseSVN

FLOOR ASSISTANT

Flamingo Amusements | Hastings, UK | May '19 - Sep '19

This was a summer job I undertook to earn extra money for university.

Responsibilities:

- Refilling machines and replacing tickets, as well as troubleshooting problems
- Assisting people with problems and answering any questions they have
- Replacing stock in the prize shop and exchanging tickets for prizes
- Cleaning the machines, dusting, emptying bins, and vacuuming in the evenings

OFFICE ASSISTANT

Motus Zentrum für Physiotherapie | Stuttgart, DE | Aug '17 - Aug '17

This was a two week volunteer position.

Responsibilities:

- Scanning patient receipts onto the system and updating records
- Replacing towels and sheets from each room after use
- Cleaning workout machines and mats
- Assisting therapists with some patients

ENGINEER APPRENTICE

Wilmoth's Citroen | Hastings, UK | May '16 - May '16

This was a two week work experience, supervised by my secondary school.

Responsibilities:

- Replacing parts on vehicles such as brake pads and lights
- Replacing oil and other fluids in the vehicles
- Diagnosing problems with automatic cars
- Diagnosing problems with embedded systems such as navigation

ASSISTANT WEB DEVELOPER

Battle VA | Battle, UK | Mar '15 - Aug '18

Responsibilities:

- Communicating with the customer to discuss ideas
- Taking customer's notes and designs and making a skeleton website

- Adding functionality to the website once the customer is happy with the design
- Responding to feedback and improvements, and modifying the website

Tech Stack: Joomla, HTML, CSS, JavaScript

Education

BSc COMPUTER SCIENCE WITH ARTIFICIAL INTELLIGENCE

University of Kent | Canterbury, UK | Sep '19 - Jun '23

Grade achieved: BSc first class with honours

A LEVELS

Bexhill College | Bexhill, UK | Sep '17 - Jun '19

Subjects taken:

- Computer science
- Electronics
- Mathematics

GCSE

Claverham Community College | Battle, UK | Sep '12 - Jun '17

Certificates

All my certificates can be viewed on my [LinkedIn](#) profile.

FOUNDATIONAL C# WITH MICROSOFT

July '24 | Microsoft and freeCodeCamp

Professional Certificate

CAREER ESSENTIALS IN CYBER SECURITY

Dec '23 | Microsoft and LinkedIn

Professional Certificate

FIGMA ESSENTIALS TRAINING: THE BASICS


Nov '23 | LinkedIn Learning


Course Certificate

References

BRETT LAWRENCE


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DOMINIQUE CHU

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MARK SHEPPARD

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