

# Saul Burgess – Curriculum Vitae

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## Personal Profile

I am a Software Developer with 2 formal years of experience implementing front & backend services. I have a strong understanding of the full software development lifecycle, including Agile, Test-Driven-Development, and DevOps. I am experienced in developing and implementing web applications using modern technologies such as Java, Node and React. I am also experienced in developing and maintaining databases, and have a strong understanding of the principles of software design and architecture.

## Education

**2023–2025** MSc (Hons) Computer Science - Technological University Dublin  
Stream: [Advanced Software Development]

**2019–2023** BSc (Hons) Computer Science - Technological University Dublin  
Final Year Project: [ModSent: Modular Sentiment Analysis]

**2013–2019** Honours Leaving Certificate - St. Conleth's College  
Ballsbridge, Dublin 4

## Employment History

**May 2023** - Accenture, Grand Canal Quay  
**Sep 2023** *Summer Internship - Technical Analyst*  
Focused on Software Development and Application Development.

**Jan 2022** - Department of Agriculture, Food, and the Marine  
**Sep 2022** *Junior Software Developer*  
Third-year placement for 20 weeks, Computer Science undergraduate degree program. Retained until University 2022 Autumn term. Worked with Typescript, Java Spring and Continuous Integration (Development) platforms to develop a disease management application for the department.

**Oct 2019** - TUD Project Team Leader  
**Nov 2019** *Project Team Leader*  
'Communications & Personal Development: Agile and You'. Developed Project Management skills and Team Building skills. Implemented Agile methodology.

**Jul 2019** - Rockall Technologies, Dun Laoghaire (part of Broadridge Financial Solutions)  
**Aug 2019** *Development & Test Intern*

## Software Engineering Skills

### ■ Programming Languages

*JavaScript* - Typescript, JavaScript  
*Java* - jdk 21, jdk 20, jdk 17  
*Python* - 3.12, 3.11, 2.7  
*C++* - 17, 14, 11  
*C#* - .NET 6.0, .NET 5.0, .NET 4.8

### ■ Frameworks

*Node.js* - Express, Koa, Hapi  
*Nest.js* - REST, GraphQL, Microservices  
*React* - Redux, MobX, Relay  
*Angular* - 14, 11, 10  
*Spring* - Boot, Cloud, Data, Security  
*.NET* - Core, MVC, Web API  
*Django* - REST, ORM, Templates

### ■ DevOps

*Kubernetes* - Administration, Deployments  
*Flux* - GitOps, Helm, Kustomize  
*Docker* - Containers, Images, Compose  
*Docker SWARM* - Clusters, Services, Stacks  
*Jenkins* - Pipelines, Jobs, Builds  
*Git* - Version Control, Branching, Merging  
*GitHub* - Pull Requests, Issues, Projects  
*GitHub Actions* - Workflows, Jobs, Artifacts  
*GitLab* - CI/CD, Pipelines, Issues

### ■ Databases

*SQL* - Scripting, Querying, Administration  
*PostgreSQL* - SQL, PL/pgSQL, pgAdmin  
*MySQL* - SQL, Workbench, phpMyAdmin  
*MongoDB* - NoSQL, Compass, Atlas  
*ORM* - Prism

## Interests & Accomplishments

■ Represented TUD in Games Fleadh 2020, a java based Artificial Intelligence challenge ‘Robocode’ having designed and written ‘Oberon’, a decision tree based, linear targeting virtual tank.

■ CoderDojo Mentor (Dun Laoghaire) – member since 2012. Youngest appointed student mentor in 2016 – privileged to have the opportunity to guide the next generation of young coders and developers.

■ Skilled Public Speaker – second place in the Trinity Classics Oratory competition for three consecutive years.

■ Accomplished Sailor, achieved my Royal Yachting Association Level Three Grade during my fourth year of secondary school.