

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

2023–2024 MSc (Hons) Computer Science - Advanced Software Development
Technological University Dublin

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

Sep 2023 - Masters Thesis, Technological University Dublin
Dec 2024 *Project Team Leader*
Developed a single-page application with Go, Python and Next.js. Implementing a Geographical Information System. Managed a team of 5 developers, utilising modern DevOps toolchains.

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.

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
Go - 1.23, 1.22

■ Frameworks

Node.js - Express, Koa, Hapi
Nest.js - REST, GraphQL, Microservices
React - Redux, MobX, Relay
Angular - 14, 11, 10
Spring - Boot, Cloud, Data, Security
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, Sqlc

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.