

WORK EXPERIENCE

Promoted from Graduate Software Engineer to SWE 1 within 6 months, recognizing technical excellence and leadership potential

Baker Hughes

Software Engineer

India

Sep'23 – Present

- Automated processes such as font generation and language file pack creation using Python and batch scripts, significantly reducing overhead
- Fixed 40+ bugs in under three months, enabling the project's timely release

Baker Hughes

Software Engineer

Ireland

Aug'22 – Mar'23

- Implemented DevOps CI/CD workflows utilizing Parasoft and GitHub, achieving MISRA compliance and reducing rework by 30%
- Optimized Agile board by decomposing EPICS, user stories into tasks and coordinating sprints; boosted timely delivery by 25%
- Implemented DevOps CI/CD workflow utilizing Parasoft on GitHub, ensuring MISRA compliance; reduced rework by 30%

Ericsson

AI Intern

India

Jun'21 – Aug'21

- Analysed large datasets; applied ML models like Linear Regression, Decision Trees, and AdaBoost for predictive analysis
- Utilised 5 performance metrics including recall, f1score, precision, accuracy and ROC curves to assess the performance

EDUCATION

Trinity College, Dublin

BAI Computers and Electronics Engineering

Ireland

2018–2022

Activities:

- Formula Trinity
- Sustainability Project

KEY PROJECTS

HygroPro XP - Moisture Analyzer

Duration

4 months

- Led a team of 3 developers to deliver a successful software release for the product, focusing on application development for new features and bug fixes
- Led comprehensive design reviews to ensure high-quality software and adherence to industry standards
- Standardized processes and algorithms by authoring design records that improved maintainability and consistency across projects
- Enhanced application reliability by identifying and resolving critical issues, achieving a significant reduction in post-release defects
- Tech Stack:** Python, C, C++

XMTC: Binary Gas Analyzer

Developer

Ireland

Nov'20 – May'22

- Developed the communication and application layers for the XMT-C Binary Gas Analyzer, delivering a certified product integral to the company's portfolio
- Fixed over 40 bugs within two months, ensuring a timely and stable product release
- Solely conducted the cybersecurity review, a key process in the release pipeline, to ensure adherence to security protocols and standards
- Designed and implemented an intuitive UI/UX featuring 30+ screens and workflows, collaborating with product managers and technologists to create user-friendly interfaces
- Led portions of the design review process, driving discussions on architecture and ensuring alignment with project goals
- Tech Stack:** C, C++, Python, Figma, Parasoft

SKILLS

Programming: Python, C, C++, SQL, XML, Git, Matlab, TeX, Static Analysis, Unit Testing, Git Workflows

Technologies: IAR, Parasoft, PostgreSQL, Linux, Wireshark, SPSS, Protoge, AWS EC2, Docker