**ERIK SANNE**

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**PROFESSIONAL OBJECTIVE**

Highly skilled and motivated Software Engineering undergraduate, with over one year of experience in professional software development, now seeking an internship opportunity to further expertise and skills. Solid knowledge of the design, development and testing of computer software, with innovative problem-solving skills and proven attention to detail. Analytical with excellent critical reasoning, with a commitment to deliver quality performance and maintain professional excellence at all times.

**TECHNICAL SKILLS**

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| * Java, Spring Boot * JS, Frameworks * C#, C, C++, Python, Go, Bash * SQL, UML * Docker, Kubernetes | * Strong numerical skills * Bilingual in English and German * Agile, Scrum and Waterfall Methodologies * Stakeholder Engagement * Microsoft Excel, Word and PowerPoint |

**CORE COMPUTING / SOFTWARE DEVELOPMENT ACHIEVEMENTS**

* Using Java to improve performance by 70-80 times within a market leading trading system, resolving associated production problems which relieved pressure on the operations team (Morgan Stanley)
* Led the migration and enhancement of software feature from Perl scripts to a new Java Spring Boot system, bringing additional revenue to the company due to increased client interest (Morgan Stanley)
* Full stack project with Java, Python and JavaScript + Angular 6
* Enhancement of front end and middle ware components to add required functionality
* Building of new Java Spring Boot back-end application with RESTful API and Freemarker templating, enabling developers to start new projects with better templates, reducing set up times and increasing productivity
* Accustomed to using Agile and Waterfall methodologies in the workplace
* Built personal website eriksanne.com with JavaScript + VueJS, containerized with Docker
* Strong academic achievement at undergraduate level- with an expected 1st final result

**EDUCATION**

* **BEng (Hons) Software Engineering** (Edinburgh Napier University, 2016/Present)

Subjects include the analysis, design, development, testing, evaluation and modification of reliable, maintainable and high-quality software including real-time, mobile and large-scale enterprise systems.

* **A-levels in Maths, Further Maths and Economics** (Boston College, UK, 2014/2016)
* **IELTS Academic (8/10)** (Boston College, UK, 2016)
* **GCSE equivalent studies in 13 subjects** including Maths, German, English, French, Physics and Chemistry (Gymnasium Michelstadt Secondary School, Germany, 2011/2014)

**CAREER HISTORY**

**Jun 2019/Aug 2019 – Business Analyst Internship – MarketAxess Holdings Inc, London**

Summer internship based at international financial technology company.

* Gained thorough understanding of the MarketAxess trading platform
* Production of detailed business specifications for enhancements on trading system, with new features to meet client requirements
* Liaising with internal stakeholders such as Product Managers to discuss client needs
* Participation in Scrum as Product Owner, shadowing calls with external stakeholders
* Prioritising enhancements such as bug fixes and work items for software developers

**Jun 2018/May 2019 – Industrial Placement** **– Morgan Stanley, Glasgow**

Position based at leading American multinational investment bank and financial services company.

* Worked on Equity Swaps Trading and Morgan Stanley Development Environment projects

**Equity Swaps Trading**

* Conducted Business Analysis using Waterfall and Agile methodologies
* Developed features for market-leading trading system – performance tuning using Java and SQL
* Led migration and enhancement of a client feature from Perl to Java
* Database development, experiencing the full Software Development Lifecycle
* Effectively used technologies such as Java, Bash, Spring Boot, Ant-build, Ivy, Gradle, DB2, Sybase, Unix
* Led the design, migration and enhancement of a feature from Perl scripts to a new Java SpringBoot system, bringing additional revenue to the company due to client interest
* Collaborating across software teams and departments to build successful product
* Demonstrated excellent oral presentation skills at Morgan Stanley Campus Recruitment events, speaking to groups of 30-50 people to promote their internship opportunities

**MSDE – Morgan Stanley Development Environment**

* Created a project from scratch, demonstrating high levels of autonomy and responsibility
* Used SCRUM Agile methodology to ensure meticulous and efficient completion of project
* Full-stack software development using secure processes to ensure integrity
* Software configuration management
* Used Java, Spring Boot, Gradle, Python, JS + Angular 6

**May 2017/May 2018 –** **Product Specialist (Fraud Dept) –** **Sykes Enterprises, Edinburgh**

* Monitoring of customer transactions to identify suspicious activity including possible fraud
* Demonstrating strong understanding of client requirements, identifying and implementing appropriate actions to complete requests successfully
* Using database to analyse trends, presenting any inefficiency to stakeholder in order to reduce future losses
* Gathering evidence for customer audits, in accordance with strict GDPR procedures
* Reporting any suspected fraudulent activity in timely manner, in compliance with company policies and procedures

**HOBBIES & INTERESTS**

Listening to podcasts, programming and developing my expertise. I especially enjoy going to technology meetups, events and hackathons. I am also a skilled Archer and was within the top 20 in Germany.

**REFERENCES AVAILABLE UPON REQUEST**