Suffolk, VA, 23434

Cell:540-661-8880
Email: raphaelsandor@tuta.com

Raphael J. Sandor

Executive Statement

Ten years of experience in software development between academic and industry environments. A strong background in computer programming, networking, Linux, systems analysis, and design.

Core Competencies:

- Software Design
- Problem Analysis
- Computational Methods

Specialties:

Clearance	Secret
Operating Systems	Linux, Red Hat Linux, Sun Solaris , Microsoft Windows
Programming Languages	Java, C++, Golang, C#, JavaScript, TypeScript, Python
Database Management Systems	MongoDB, Elastic Search, PostgreSQL, ArangoDB
Web Frameworks	ReactJS, Vue3, AngularJS
Database Query Languages	SQL, AQL, MQL
Unix Scripting	Bash, Korn Shell, Bourne
Markup Languages	XML, HTML, CSS3
Development Environments	Neovim, VS Code, Eclipse, Android Studio, Microsoft Visual Studio
Build Environments	Maven, Gradle, CMake, Make
Deployment and Containerization	Docker, Kubernetes
Version Control	Git
Networking	Subnetting, IPv4, IPv6, ACLs

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Certifications

- **Oracle Certified Professional Java SE17 (1Z0-829)**
- **Oracle Certified Professional Java SE8 (1Z0-80)**
- **Oracle Certified Associate Java SE8 (1Z0-808)**
- **Microsoft Trained Associate 98-361:**
  Software Development Fundamentals
- **CompTIA Server+**
- **CompTIA Security+**
- **LPIC-1 – Linux Administrator**
- **CompTIA Linux+**
- **CompTIA A+**

Education

Master of Science in Computer Science
Graduate Certificate in Cyber Security
2025 (Planned) – Old Dominion University, Norfolk, VA

Bachelor of Science in Computer Science
Minors: Information Systems & Computer Engineering
2020 – Old Dominion University, Norfolk, VA

Associates Degree of Applied Science in Computer Networking
2016 – Germanna Community College, Fredericksburg, VA

Associates Degree of Science in Business Administration
2016 – Germanna Community College, Fredericksburg, VA

Career certificate in Advanced Networking
Career certificate in Networking
Certificate in General Education
2016 – Germanna Community College, Fredericksburg, VA

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Accomplishments:
>   Honor Society Member – Phi Thetta Kappa
>   3.8 Undergraduate GPA

Extracurricular Activities:
>   Association for Computing Machinery Club
>   Database and Data Science Club

Work Experience

Raft | January 03, 2023 – Present
Staff Software Engineer
>   Lead Software Engineer on an internally developed and pitched application called VOLT. The application had adoption across two platforms at Raft. With the adoption and growth of VOLT the responsibilities included leading cross team Retrospectives, creating mutual milestones, writing issues, and setting goals for each team. In addition to managing the direction of the project I contributed to the project by writing Golang code for the backend application, Typescript and React code for the frontend, performance tuning MongoDB aggregation pipelines, and indexes. The deployment between these platforms is done using Kubernetes and helm charts. In addition to the role VOLT is the contribution to Gravity Platform as member of Portal team aimed at creating a custom portal for onboarding application tenants. The goal is creating a user first experience that exceeds out of the box applications such as BackStage to meet our customers needs.

Raft | January 03, 2023 – November 19, 2024
Senior Software Engineer
>   Lead software engineer on a green field application to improve the workflow of handling vulnerability assessments for a Platform as a Service team. The goal is to be able to track and mitigate vulnerabilities that exist in container images deployed in the platform and the tenants of the platform. Being able to use the finding state, and assessments to build reports to support authority to operate (ATO). Other responsibilities include collaboration with tenants of the platform and helping the tenants improve their applications to be containerized for Kubernetes. Improving the CICD pipeline jobs and working with platform engineers to improve and understand developer experience on the platform.

Northrop Grumman | November 22, 2021 – January 03, 2023
Principal Software Engineer
>   As a Full Stack Principal engineer, it is my job to design and document new APIs, and UI/UX features for C2C (Command and Control) application. The purpose is of the application is to aggerate data from multiple sources for the end user to gain valuable insight. The project is written in Java SE11 using Spring Boot for the backend, VueJS, Typescript for the frontend and ArangoDB for the database. My role includes programming new features in the backend and frontend, mentoring engineers, and documenting and maintaining the existing code. We deploy our application in container technologies such as Docker and Kubernetes.

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Alion | June 15, 2021 – November 19, 2021
Senior Software Engineer

     Responsible for developing code in Java SE8 for an application called Joint Simulation Bus (JBUS) for message translation between Navy simulators, networking protocols and to/from various hardware and navy applications. The Java Spring Boot framework is used to facilitate cross communication between hardware and software. Day to day responsibilities include proposing and implementing design patterns, writing Junit tests, and maintaining code, and creating new web applications written in JavaScript/ExtJs.

Alion | June 3, 2019 – June 15, 2021
Software Design Engineer

     Responsible for proposing and implementing code designs. I develop code as a part of a team and lead small teams in completing code functionality. Working with Objective C/C++, Java, and Ext JS for JSAF (Joint Semi Automated Forces), and JWAS (JSAF Web Application Service). My efforts improve the existing war gaming program.

CACI | August 7, 2018 – May 31, 2019
Database Developer

     At CACI I wrote code for the maintenance and deployment of the Navy's shipyards in PL/SQL. The systems supported are used to handle payroll, ship building project, manufacturing, etc. In this role I have worked as a part of an agile team, that collaborated daily. I have led instructional presentations as we have moved to modern version control tools (Git).

NREIP | May 14, 2018 - July 27, 2018
Software Engineer Intern

     It was my job to work on rewriting and enhancing a radar sweep program that will be integrated and deployed on the next generation of radars on ships. Internship with Office of Naval Research through the Naval Research Engineering Intern Program (NREIP).

CSRA | July 1, 2017 - August 7, 2018
Software Engineer Intern

     Worked adaptation scripts for the installation of new hardware on Naval ships. These scripts were written in Korn shell 1987 edition and had to be compatible with Red Hat Enterprise Linux 7. These scripts were unit tested to ensure that they would provide the expected values and returns.

UBreakiFix | November 2016 - March 2017
PC Technician

     As a PC technician, I fixed consumer electronics involving problems with software and or hardware. The responsibility of my role included data backups, data restoration, virus removal, hardware installation, network connectivity troubleshooting, and cell phone repair.

Pancho Villa Mexican Restaurant | March 2012 - November 2016
Server/Bartender

Bravo Italian Restaurant | October 2012 - May 2013

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Server

Software Projects

https://github.com/R-Sandor