

# Daryl C. De Nobrega, A.S.

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ORCID: [0009-0006-4398-3651](https://orcid.org/0009-0006-4398-3651)

Portfolio: [codeberg.org/ddenobrega](https://codeberg.org/ddenobrega)

Born: January 3rd, 2004 — Georgetown, Guyana

Nationality: Guyana/America

## Current position

*Special Operations Manager*, Keen 360, Georgetown Guyana

## Areas of specialisation

Computer Science; Cyber Security/Computer Software

## Appointments held

|           |                                               |
|-----------|-----------------------------------------------|
| 2020-2023 | <i>Software Engineer</i> , Muneshwers Ltd.    |
| 2023-2024 | <i>Technical Lead</i> , Techsmart Inc.        |
| 2024-2024 | <i>Special Operations Manager</i> , Keen 360. |

## Education

|      |                                                    |
|------|----------------------------------------------------|
| 2024 | A.S. in Computer Science, University of Guyana     |
| 2020 | Highschool Diploma, West Demerara Secondary School |

## Cetifications

|      |                                                     |
|------|-----------------------------------------------------|
| 2021 | item C99 Programming, <i>Global Technology Inc.</i> |
| 2021 | Python Programming, <i>Global Technology Inc.</i>   |
| 2021 | MSSQL Server 2019, <i>Global Technology Inc.</i>    |
| 2021 | Java Programming, <i>Global Technology Inc.</i>     |

2021 GUI Programming for Microsoft Windows, *Global Technology Inc.*  
 2023 Programming Fundamentals, *100k Coders Initiative, UAE + Guyana*  
 2023 Android Development in Kotlin, *100k Coders Initiative, UAE + Guyana*  
 2023 Datascience Fundamentals, *100k Coders Initiative, UAE + Guyana*  
 2024 Enterprise Design Thinking Practioner, *IBM*

## Technical Expertise

Malware Research  
 Software Engineering (Web, Embedded, Native, Kernel)  
 Reverse Engineering  
 Kernel Debugging  
 Linux

## Publications & talks

JOURNAL ARTICLES (IN PROGRESS)

2024 De Nobrega, Daryl (2024), "Optimizing the fibionacci equation", *write better software*  
 2024 De Nobrega, Daryl (2024), "Why Babuk fails to decrypt files", *malware analysis*

## Notable Projects

**Note:** Please be advised that, in accordance with confidentiality agreements and non-disclosure obligations, I have been required to redact specific details. While I'm happy to provide general descriptions of these projects, some sensitive or proprietary information has had to be omitted.

Pipeline inspection program: *Guydrones / Exxon Mobil Guyana Limited (on Behalf of Keen360 Guyana)*

- *Role:* Technical Lead
- *Description:* Developed an autonomous pipeline scanning and system with real time livestreaming utilizing drones, thermal technology, LiDar and geo Mapping.

Container Terminal Optimization Engine: *Redacted*

- *Role:* Senior Software Engineer
- *Description* Developed a machine learning algorithm that maps out the container terminal and relays to various departments the most effiencent container .....(*Contact Me for More Info*)