Bhuvan Kumar **GUNESSEE**

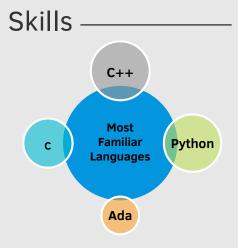
Software Engineer Technical Lead

(+33)668392879

bhuvan.gunessee@gmail.com

/in/bkgunessee/

Echo327



BASH javascript (Node.js) Robot Framework unittest Catch2

Other Skills/Tools

SSH

MobaXterm

TFTP CAN 🤎 Jenkins

opit 💠

₹ JIRA

Trello

✓ VSCode

PyCharm
Code::Blocks

× VSCode

VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCode
VSCo

Jupyter

Anaconda

wireshark

◆ MATLAB /Octave
◆

asciidoctor MJ Markdown > LaTeX

Joplin ■OneNote ➤ Confluence

Blender

Familiar OS

Linux, Windows, ChromeOS Raspberry Pi OS, Android

Language Proficiency Tests

English - C2 Level

Cambridge (CAE) Score: 203/210 (C2 Level)

Personal Interests

Core Gamer. Computer Hardware. New Technology. Computer Programming.

Many clickable website links are provided in the PDF when opened on a computer. For example, click me for a link to the most recent version of the CV.

Work Experience

2022 -**Consulting Software Engineer** (current)

Client: Airbus Operations Technical Lead (2 years)

•C, C++, Python, Ada

•Robot Framework, Catch2, unittest

•ARINC (A739, ABD100, A615A, A653), Dataloading, Time-Critical

Randstad Digital France - Toulouse

IPREM-UPPA, Pau

2018 -Fixed-Term Contract (3 years) 2021 Python libraries, BASH scripts

·Genetic Algorithms (GA), Computational Chemistry

2018-**Teaching Assistant** UPPA, Pau

2020

Projects

Nov-2024 -**Client: Airbus Operations** Randstad Digital France - Toulouse

SCADE_NG project (DO-178C DAL-Level A) Dec-2024

ACG (Automatic Code Generator)

•Unit testing using Ada

•Static analysis of Ada source code Accessor and Mutator functions

2022 -**Client: Airbus Operations** Randstad Digital France - Toulouse

2024 MP_TEST_ENABLERS project (DO-330)

•New features and bug correction on existing C and C++ source code

•New features and bug correction in Python libraries

Integration testing using Robot Framework

• Unit testing using unittest and Catch2 Documentation updates

•Planning, progress monitoring, technical guidance, mentoring, continuous im-

provement proposals as Technical Lead on Dataloader and BSWTool

Virtual Components worked on:

MCDU (A739 Display Unit), CMC (ABD100 Central Maintenance System)[6 months], Dataloader (A615A)[6 months], CPIOB (I/O Card) [2 months], BSWTool(Basic

SoftWare)[16 months]

МАММОТН 2018 -IPREM-UPPA, Pau

Development of **Python libraries** + **BASH scripts**; 2021

Interface, Parser, Factory, File Type Converter, etc. that interact with C++

and Java software

Education

Ongoing **Online Courses** Full List (with description) on LinkedIn

Agile, Learning How to Learn, SOLID Principles, Time Management Mastery, Master $Google\,Sheets,\,Professional\,Resilience,\,Active\,Listening,\,Design\,Patterns\,in\,Modern$ C++, Develop Discord Bots in Node.js, etc.

Multiple online platforms: Coursera, edX, Udemy, etc.

2015 -**Masters in Physics** Paul Sabatier University(France)

Fundamental and Applied Physics (Minor in Materials Science) 2017

2012 -**Bachelor in Fundamental Physics** Paul Sabatier University(France)

2015 **Fundamental Physics**

Internships

Atomic Scale Modelling of Ruthenium on Gold 2017 LAAS-CNRS, Toulouse

First principles study (Density Functional Theory, DFT)

Deposition of Ruthenium (Ru) on Gold (Au)

2016 Model of the reflectivity of 2D Surfaces CEMES-CNRS, Toulouse

•Computational Model of Reflectivity of thin films in MATLAB/Octave

•Development of Graphical User Interface (GUI) in MATLAB

Updated in February-2024