Bhuvan Kumar **GUNESSEE**

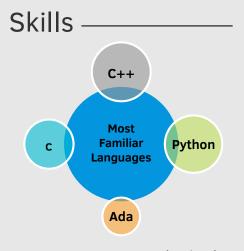
Software Engineer Technical Lead

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/in/bkgunessee/

Echo327



BASH javascript (Node.js) Robot Framework unittest Catch2

Other Skills/Tools

SSH

MobaXterm CAN wireshark

TFTP 🤎 Jenkins

opit 💠

₹ JIRA

✓ VSCode

PyCharm
Code::Blocks

× VSCode

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VSCo

Trello

Jupyter

Anaconda

◆ 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

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**

Dec-2024 SCADE NG project

ACG (Automatic Code Generator)

Unit testing using Ada

•Static analysis of Ada source code Accessor and Mutator functions

2022 -Client: Airbus Operations 2024 MP_TEST_ENABLERS project Randstad Digital France - Toulouse

Randstad Digital France - Toulouse

Randstad Digital France - Toulouse

IPREM-UPPA, Pau

•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 improvement proposals as Technical Lead on Dataloader and BSWTool

Emulated Virtual Components:

 $\begin{tabular}{ll} MCDU (A739 \ Display \ Unit), CMC (ABD100 \ Central \ Maintenance \ System)[6 \ months], \\ \end{tabular}$ Dataloader (A615A)[6 months], CPIOB (I/O Card) [2 months], BSWTool(Basic SoftWare)[16 months]

2018 -

МАММОТН 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

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

2017 Atomic Scale Modelling of Ruthenium on Gold 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 January-2024