Buddhika De Silva
Software Engineer
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PROFESSIONAL PROFILE

As a highly skilled software engineer with 4+ years of experience, I have a proven track record of delivering innovative and award-winning software applications. I have significantly contributed to my previous companies, resulting in their success. I possess strong leadership abilities and have published 6 research papers in software development, robotics, AR/VR, and machine learning.

AREAS OF EXPERTISE

Mobile/Web/Desktop Application Development
Cloud computing
Embedded, IoT & Robotics
Virtual and augmented reality

EXPERIENCE

Software Developer - *Research and Development Department, Autoflame Engineering, UK*

APR 2023 – PRESENT

- Main responsible developer for developing apps for communicating with Autoflame burner controllers for major platforms (Android/ iOS / Windows / MacOS)

- Main responsible developer for developing advanced emission performance calculating software for burners

Personal Shopper - *Ocado Group, UK*

FEB 2023 – APR 2023

- Working with semi-automated systems to ensure efficient and accurate product delivery

Software Engineer (Remote) - *Project X Space, Australia*

AUG 2020 – JAN 2023

- Utilized my expertise in modern technologies such as Angular, TypeScript, Flutter, Akita, Python, Android and Web Services (REST, Google APIs) to expertly engineer innovative, high-performance applications that met the needs of my clients and stakeholders

- Efficiently deploying and integrating software and updating integration/deployment scripts to improve continuous integration practices

Android Developer/ Embedded Software Engineer (Self-Employed) - *BevyLabs, Sri Lanka*

FEB 2020 – AUG 2020

- Developed and launched an education app in Sri Lanka focused on teaching programming, resulting in an active user base of 1000 within the first three months of its release.
- I was actively involved in the development and implementation of several innovative mobile apps, embedded systems, AR/VR and robotics prototypes, some of which have received recognition through national and international awards

Trainee Software Engineer - *99x Technology, Sri Lanka*

SEP 2019 – FEB 2020

- As a team member, I actively participated in developing and implementing Compello, an invoice approval management web application based in Norway.
- Through extensive research, I identified areas for potential new functionality and developed corresponding prototypes that were effectively communicated and handed over to senior developers for further development and implementation.

Java Developer (Self-Employed) - *BevyLabs, Sri Lanka*

APR 2015 – FEB 2016

- Developed Java SE Standalone customized payroll management system for a construction company using Netbeans and MySQL Workbench. Led full SDLC process resulting in successful deployment and maintenance of efficient payroll solutions.

EDUCATION

B.Sc. (Special) Computer Science and Technology | Uva Wellassa University, Sri Lanka
FEB 2016 – FEB 2020

TOP AWARDS

Gold Medal - IPITEx 2019, Thailand, Bangkok International Intellectual Property Invention, Innovation and Technology Exposition

1st Place Award for Best Maker Space Startup 2018, American Corner Kandy

Winner (Gold Medal) in ICT Category 2018, "Sahasak Nimeum" National Exhibition and Competition.

1st Runner-Up of Smart SriLanka Hackathon 2019, Sri Lanka Telecom and Mobitel (Pvt) Ltd

Winner - UWU GameJam 2018, A Game Hackathon Organized by Mozilla Campus Club - UWU.

Merit Award - National Best Quality ICT Awards (NBQSA) 2018, British Computer Society (BCS) – The Chartered Institute for IT.

Winner - Best Test Scores in **Information and Communication Technology** Subject for the All Terms on the year - 2012/2013, Dharmaraja College Kandy Srilanka

PUBLICATIONS

Augmented Reality as a Tool for Promoting the Tourist Value of the Paleontology: A Case Study Based on Reconstruct 3D Fossils Samples of Sabaragamuwa Basin, of Sri Lanka
WILD LANKA SYMPOSIUM - DEPARTMENT OF WILDLIFE CONSERVATION - SRI LANKA 2021

Open BevyBot 2020 – An Open Source Low-Cost Educational Robot for Effective Learning
UWU INTERNATIONAL RESEARCH SYMPOSIUM 2020

Concentration Device for Increasing Productivity through the Improvement of Pomodoro Technique Using Color Psychology
UWU INTERNATIONAL RESEARCH SYMPOSIUM 2019

Automated Collection of Customer Feedback Using Facial Expression and Machine Learning Techniques
UWU INTERNATIONAL RESEARCH SYMPOSIUM 2019

A Customizable Virtual Reality Application for Enhancement of Method of Loci
UWU INTERNATIONAL RESEARCH SYMPOSIUM 2019

Sixty Seconds Robot: Rapid Development Robotics for Beginners
UWU INTERNATIONAL RESEARCH SYMPOSIUM 2018

Python Learning Text Book For Sri Lankan GCE Advanced Level ICT Students, Main Author

Python Sinhala Book for A/L ICT (Basic PDF Version) [2014]

LINKS

https://buddhikadesilva.github.io / http://linkedin.com/in/buddhikacv / http://medium.com/@buddi
http://github.com/buddhikadesilva / http://stackoverflow.com/users/9630563