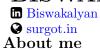# BISWAKALYAN BHUYAN

in Biswakalyan
🌐 surgot.in

biswa@surgot.in
+91 9030810010

About me

Experienced in Linux Systems and Back-End with strong DevOps expertise, proficient in managing servers, automating workflows, and optimizing system performance.

Education

Bhubanananda Odisha School Of Engineering Cuttack, India
Diploma in Information Technology; GPA: 8.06 *2021 – 2024*

Skills Summary

- **Languages:** C, Haskell, Python, Lisp, Rust, Lua, SQL, Shell, node.js, php
- **Frameworks:** Ansible, Puppet, Chef, Docker, Django, Flask
- **Tools:** Git, Org Mode, DWM, Arch Linux, Jenkins, CI/CD Tools, Terraform, VIM, SSH
- **Platforms:** AWS, OpenBSD, Linux, Azure, GCP, Emacs
- **Soft Skills:** Collabration, Strong Problem Solving, Adaptability, Analytical Thinking, Excellent Communication

Work Experience

Cloud Engineer — Google Cloud Remote
January 22 – Dec 22

- Enhanced data processing efficiency by 20% through streamlined collection and reporting procedures.
- Automated tasks and implemented process improvements, leading to a 15% productivity gain.
- Collaborated effectively with cross-functional teams to define project scopes, gather requirements, and ensure business alignment.
- Created technical reports summarizing findings from cloud infrastructure projects, ensuring clear communication with engineering teams.
- Leveraged GCP services like Compute Engine, Cloud Storage, and Cloud Load Balancing to manage and optimize cloud infrastructure.

Projects

LuaoSSL for OpenBSD —LINK **Sep 18 – Present**

- Maintained and enhanced 'LuaoSSL' for OpenBSD, ensuring compatibility with 'LibreSSL' for cryptographic.
- Implemented patches and updates to improve stability and performance of the library in OpenBSD environments.
- Collaborated with the OpenBSD community to ensure proper integration and adherence to standards.
- Conducted testing and debugging to maintain secure and reliable cryptographic operations in a BSD environment.

YouTube Local Web Frontend —LINK **May 23 – November 2023**

- Built a user-friendly web application using Python to provide a local frontend for YouTube video playback.
- Leveraged web development frameworks (e.g., Flask, Django) to structure the application, showcasing knowledge of modern web development practices.
- Implemented functionalities for video search, playback control, and playlist management, demonstrating the ability to translate user interactions into web functionalities.
- Employed web scraping techniques to extract video information from YouTube, highlighting data extraction skills.

ID Card Generator Script — LINK **November 22 – December 2022**

- Developed a Python script to automate ID card generation from CSV data, streamlining a manual process.
- Utilized data manipulation libraries (e.g., pandas) to parse and process information from CSV files, demonstrating proficiency in data handling.
- Implemented functionalities for generating ID cards with specific data fields and layouts, showcasing scripting abilities for task automation.
- Employed error handling techniques to ensure data integrity and script robustness, highlighting attention to detail and quality assurance.

Certificates

IBM Back-End Development Specialization (IBM)
Aug 2024

DevOps on AWS Specialization (Amazon Web Services)
Jul 2024

Cloud Engineering (Google)
April 2022