

Animesh Ghosh

Location: India

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GitHub: <https://github.com/Animesh-Ghosh>

Website: <https://animesh-ghosh.github.io>

Technical Skills

Languages: Ruby, Python, Elixir, PHP, JavaScript
Frameworks & Libraries: Ruby on Rails, Laravel, React.js, Vue.js, Bootstrap
Other Skills: Debugging, Amazon Web Services (AWS), Git

Work Experience

Software Developer **BetaCraft Pvt. Ltd.** **2021 - Present**

- Work on and maintain APIs and UIs for Credit Reporting software built originally on Ruby on Rails v6, migrated to Rails 7. Created Zapier Integration. Integrate sidekiq to implement background jobs for running Billing related logic. Implemented prorated billing
- Add rspec to add specs on a case by case basis to catch regressions and increase code coverage by 20%.
- Periodically conduct version upgrades for Rails and other dependencies, implemented security controls on infrastructure end (AWS) and documented processes to be followed for incidents to improve security posture for SOC 2 Type 1 audit process.

Software Developer **MiM-Essay** **2021 - 2022**

- Work on and maintain CRM software built on Laravel v5.5. Added tests to increase coverage and decrease regression, improve development experience (DX). Utilized Eloquent ORM to generate optimized SQL to help create dashboards which supported complex filtering and sorting.
- Worked on various Laravel versions, working around the intricacies of each version, delivering features.
- Write and maintain Python scripts for various marketing automations.
- Occasionally write ad-hoc SQL queries to generate reports to aide stakeholders.

Projects

[igorkasyanchuk/active_storage_validations](#) | *Ruby, Rails Engine*

- Fix an issue with the gem, being used in production, not showing all validation errors at once
- Add simplecov as a development dependency which helped show code coverage, increase DX significantly
- [Pull Requests](#)

[Crypt](#) | *C++, JavaScript, WebAssembly, Emscripten, Vue.js*

- Wrote a few naive cryptography classes in C++ and leveraged emscripten toolchain to compile to Webassembly, create JS Module that loaded and made native code available to JS code. Utilised Vue.js to provide a dynamic front-end.
- WebAssembly interested me at that time, and Emscripten seemed relatively approachable as I was already familiar with C++ and Makefiles. Vue.js was easy to pick up and I wanted to use it in a project. The difficult part was getting the WASM module to work with the JS packaging setup.

[GitHub-API-Wrapper](#) | *Python, Flask, requests_cache, GitHub API, concurrent.futures*

- Used requests_cache to gain in-memory caching to work-around GitHub's rate limiting and concurrent.futures to be able to use either processes or threads to retrieve information for multiple repositories concurrently
- concurrent.futures seemed interesting at that time so it started out as a toy project which spiralled out into a medium complexity project

[dejan/espeak-ruby](#) & [utkarsh2102/batalert](#) | *Ruby, espeak*

- Add option to the [espeak-ruby](#) project which allowed the [batalert](#) project to be able to use system volume so as to not blast the user with the battery level alert notification
- [Issue](#), [Pull Requests](#)

[auto-connect](#) | *JavaScript, Chrome Extension*

- Chrome Extension to help automatically send LinkedIn Connection requests
- This turned out to be quite simple once Chrome's manifest.json file was understood

Education

Maharaja Surajmal Institute
Bachelors in Computer Applications (CGPA - 7.69)

New Delhi, India
2017 - 2020