

Hello

I'm Bibhas Chandra Debnath

Bangalore, India
+91 9836510821
mail@bibhasdn.com

I've been a developer for about 11 years now. Mostly web dev, but played around with Arduino to Ansible. Happy to try and learn new things as and when necessary. Most of the code I've ever written throughout my career is [on Github](#). I helped organize PyCon India for 4 years. And I was one of the first Duckduckgo community leaders in India.

Experience

JULY 2021 - PRESENT

Natural User Interface Technologies (NUITEQ), Remote – Senior Software Engineer

Product company based out of Sweden that pioneered multi touch user interface in collaborative softwares and hardware, to be used in schools for teaching, and in private organizations for facilitating ideation and implementation.

Tech stack - nodejs, couchdb, postgresql

Responsibilities included -

- Revamp existing softwares to be more web friendly
- Help move data into Postgresql for better performance
- Help maintain the products to accommodate customer feedback

APRIL 2017 - JUNE 2021

HasGeek, Bangalore – Software Engineer

Media company that helps individuals grow their reputation and credibility, via peer-reviewed events and conferences.

Tech stack - postgresql, flask, sqlalchemy, AWS and related.

Repositories -

- <https://github.com/hasgeek/funnel/commits?author=iambibhas>
- <https://github.com/hasgeek/imgee/commits?author=iambibhas>
- <https://github.com/hasgeek/> (more here)

Responsibilities included -

- Developing and maintaining software to run the HasGeek events, including shifting to online events since COVID- 19. Backend stack is Flask+PostgreSQL.
- Handling support queries and fix the issues
- Taking care of the staging/production servers and the deployments

Some major projects -

- Revamping the image management program (<https://github.com/hasgeek/imgee>) and optimizing it's backend to handle image upload and processing more efficiently.
- Moving all existing applications to Python 3
- Adding SSL support to all domains using LetsEncrypt
- Adding a spam reporting system for comment moderation
- Adding i18n support and help add Hindi support to the website

AUGUST 2013 - APRIL 2017

Akshara Foundation, Bangalore – Software Engineer

NGO in Karnataka that gathers and process education related data and helps children get better education.

Tech stack - python, django, postgresql, vagrant, postgis, devops, jenkins

Repositories -

- <https://github.com/klpdotorg/dubdubdub/commits?author=iambibhas>
- https://github.com/klpdotorg/dise_dashboard/commits?author=iambibhas
- <https://github.com/klpdotorg/mobile/commits?author=iambibhas>

Responsibilities included -

- Built a data visualization tool (Both front and backend) for the District Information System for Education(DISE) and more school related data collected from multiple sources. (<https://dise.klp.org.in/>), which included -
 - Gathering all the data from various sources like DB export from different govt depts, 3rd party APIs, other NGOs etc, in various formats including SQL, CSV, JSON, Oracle DB etc,
 - Cleaning them up, filtering through them to get rid of redundant and dirty data, using tools like Pandas and OpenRefine, and putting them together in a PostgreSQL database.
 - Then building an open API on top of it so that all that clean data can be accessed easily.

- We also gathered locations of most of the schools in Karnataka. So we built a map of them which can be searched, filtered, zoomed and panned. Built on top of PostGIS.
- We ran our own OpenStreetMap tile server.
- Also handled the servers that ran these tools and APIs.
- Helped build the Android app for field data collection
- Also worked on generating yearly PDF reports from the sanitized data to verify how students are performing year - on - year basis.

JULY 2012 - JULY 2013

TaggLabs Technologies Pvt Ltd, Kolkata – Software Engineer

It is an event management company that uses technology to build interactive displays to be used by participants.

Tech stack - python, php, rfid, kivy, tornado

Responsibilities included -

- Building a touch screen capable desktop application. Initially built using an early version of Kivy, but later scrapped due to its complexity and compatibility with Windows OS. It was replaced with a Flask application server wrapped as a Windows executable. The website used to run on the local browser.
- Adding RFID card/tag reader support to the application.

DECEMBER 2011 - JUNE 2012

Yodl, Remote– Software Engineer

Update: Website and company no longer operating.

In short it was a Yelp-like service in Austria, in the Alps region.

Tech stack - php, mysql, yii, amazon-ec2, google - places

Responsibilities included -

- Working as a backend developer + DevOps. Stack was PHP(Yii Framework), MySQL, Hosted on AWS EC2,
- Gathering place listings from various 3rd party services using their APIs.
- Building a rating system that could be used by the users.

- Building a search engine (Front and Back-end) that helps lookup places based on their location, rating, and several other filters. Done using PHP+MySQL and no other specialized tools.

Education

2007 - 2011

Narula Institute of Technology, Kolkata - Bachelor of Technology, Information Technology

Projects & Interests

Stack Overflow - <https://stackoverflow.com/users/257944/bibhas-debnath>

Written 211 answers. Active in django, django-forms, forms, python, virtualenv and 5 other tags.

duckduckgo-answers - <https://github.com/iambibhas/duckduckgo-answers>
html

DuckDuckGo Answers - A Firefox OS app for DuckDuckGo.

gitcall - <https://github.com/iambibhas/gitcall> javascript

Getting Github notifications via your mobile phone

Search-Anywhere - <https://github.com/iambibhas/Search-Anywhere>
chrome, javascript

Chrome extension that lets you use all search engines to search with from your right click menu Developer

duckduckgo/zeroclickinfo-spice -
<https://github.com/duckduckgo/zeroclickinfo-spice>
perl, javascript

Contributed to the instant answer platform of Duckduckgo. The instant answer "spices" were triggered by keywords and then in turn made call to 3rd party APIs and displayed the results on search page.