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Emma Housel
Mozilla Foundation
1981 Landings Drive
Building K
Mountain View, CA, USA

Dear Emma,

I'm excited to be applying for the Software Engineer position at Mozilla. As someone who is highly focused and attentive to detail, and on building quality systems that surpass end users' expectations, I'm thrilled at the opportunity to show off my technical expertise and leadership skills as part of Mozilla's expert team.

During my previous role at Svoot, I was charged with developing innovative solutions across a variety of software platforms. I was instrumental in developing a mobile-ready platform that provides publishing, payment, analytics, and design infrastructure to support subscription newsletters, on the lines of Substack, that is used by upwards of 500,000 people today. In 2019, I led the development of *imageninja* that solved a particularly untouched problem - sorting tens of thousands of wedding images based on faces using an Artificial Neural Network, that has gone ahead to help numerous newly-weds circumvent the trouble of having to manually sort images, after the fact.

I am also extremely self-aware, and unrelentingly dedicated toward my work. When we faced multiple delays due to manual code reviews, I proposed and carried out the implementation of an automated code review system based on a custom Jenkins installation. This resulted in an almost 90% reduction in time between consequent product releases.

Thank you for your time and consideration. I'm looking forward to learning more details about the Software Engineer position at The Mozilla Foundation. I've loved Mozilla and the work that you all have been doing since the initial release of Firefox Beta. I'm excited about the opportunity to leverage my unique range of skills to fuel the open-source work that Mozilla has been doing and I'm eager to demonstrate my commitment to developing and researching great software for Mozilla.

Sincerely,
Danyl Fernandes

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About

- I am a 21 y/o Android Developer and a *growth-seeking individual*.
- I am looking for a position that will put my existing skills as an Android Developer as well as a friend to work and I wish to contribute to my job to the best of my abilities.

Education

Holy Cross High School, Mumbai, India

Secondary School Certificate, March 2015

Percentage 74.8/100

Vidyalankar Polytechnic, Mumbai, India

Diploma in Information Technology, July 2019

Percentage 88/100

Technical Skills

- Backend Technologies: **MongoDB, PostgreSQL, MySQL, Firebase (BaaS)**
- Programming Technologies: **Java, Kotlin, HTML/CSS, XML, Javascript**

Languages Known

- English (Native)
- Hindi (9 years), Konkani (7 years), Marathi (3 months)
- German (2 months - A1 level)

Hobbies

- I love playing my Guitar, but more importantly *I love creating music on the guitar*.
- I Love Digital Arts. I spend my free time learning & doing UI design
- I'm a sub-40 speedcuber (I solve the Rubik's cube pretty fast).
- I love creating useful apps using random new technologies, in my free time.
- I love reading books on Marketing and Leadership; Simon Sinek is my favorite.

Achievements

Uni-ball SPELLINC Word-Cracking Challenge, December 2012

Here I was awarded 2nd position and was decorated for having cracked most number of English spellings varying in difficulty. I was able to crack 121/122 words.

Prodology Rubik's Cube Solving Contest, October 2016

At this college festival held by VJTI College of Engineering, Mumbai, I secured the 22nd place out of 200+ people that participated from all over Mumbai, by solving the Rubik's cube in 29.34 seconds.

Personal Projects

In-Progress

Yakira

Yakira is an android app that helps my church with CRM over the phone. Yakira is an app that stores church member details and is used by church office to make calls for members to attend our weekly services

Problems I'm working on:

- Currently, I can't get concurrent data-retrieval & distribution on multiple phones, to work
- Working on database data-redundancy reduction

Project-link:

<https://github.com/gitryder/Yakira>

Apps Published on Google Play Store

Offered App, Feb 2020

The Offered app is another app I wrote for my church to calculate donations on-the-go. This is the second app I published on the Play Store and my first Kotlin app.

Features:

- Quickly jot donations
- Instantly get a total amount
- Share all donations as text using whatever platform you prefer

Project-link:

<https://github.com/gitryder/Offered>

The Plants & Pillars App, November 2019

The Plants & Pillars App is a worship team helper that enables church members to manage worship lyrics for songs sung in weekly services. This is also the first app I published to the Google Play Store.

Features:

- Managing Addition, Removal and Updation of lyrics
- Managing Songs for Upcoming Services
- App Notifications using FCM
- Creating Favorites to better cater to the vocal perimeters of Worship Leaders
- A full-fledged dark-mode for keeping from undesired eye-strain

Project-link:

<https://github.com/gitryder/Songs> (this codebase is private for now)

Other Projects

Attendance Automation Mobile app, July 2018

I made an android application that relieves teachers of the usual rigorous way of student attendance marking using pen and paper. My idea involves having two applications, one for the student and the other for the teacher. The teacher sets an OTP and the students are given that OTP to mark their attendance for the current lecture after which the OTP expires within the specified time-limit.

Currentcy, January 2017

Here, I made a basic Python web-crawler that gathers current currency value and returns back the value of the currency you specify.

- I learned how libraries work, how the web is crawled using html tags.
- I also got exposure to Python Libraries such as Requests and BeautifulSoup4.
- I ended the project by optimizing it to make it fast by implementing threads and therefore was introduced to the concept of Asynchronous Tasking.

Ly, July 2016

This was the first android app that I made that was a basic note taking app that I made for myself so I could type down lyrics of Songs that I created on my guitar.

This Project got me exposure to *Android ListViews, RecyclerViews, Database Connection, and also JSON Parsing in Android.*