Chinmay Kunkikar

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EDUCATION

- **University of Mumbai** — Mumbai, India
  M.Sc. Computer Science; CGPA: 9.04/10 — *June 2019 - May 2021*
  Related coursework: *Cloud Computing*

- **Savitribai Phule Pune University - MIT College** — Pune, India
  B.Sc. Computer Science — *June 2015 - April 2018*

SKILLS SUMMARY

- **Languages**: JavaScript ES6, TypeScript, SQL, Python, Shell Scripting
- **Technologies**: ReactJS, Redux, Webpack, NodeJS, PostgreSQL, TailwindCSS
- **Tools**: Docker, Postman, Figma, MongoDB, Git, Amazon S3, AWS Amplify, AWS Lambda

EXPERIENCE

- **MetaBrainz Foundation** — Remote
  ReactJS Developer (Summer of Code) — *June 2022 - November 2022*
  - Designed and built the ListenBrainz's *Fresh Releases* page with ReactJS, which leverages data from the MusicBrainz database, resulting in better discoverability of over 3 million music releases.
  - Created filters to sort among 15 release group types to enable users readily find what they're looking for.
  - Made the UI responsive for various screen sizes and used virtualization methods to optimise the rendering of thousands of DOM nodes.
  - For snapshot testing the UI components, I used the Jest and Enzyme libraries to write the mock functions.

- **Steinn Labs LLP** — Remote
  ReactJS Development Intern — *March 2021 - August 2021*
  - Collaborated with a team of 4 to conceptualize & build user interface components using ReactJS for a property listings portal. Used Redux store to handle states by adding relevant reducers.
  - Worked with the backend team to add new APIs using ExpressJS and modify the existing ones to add data validation to response data.
  - Developed a URL shortener API and used it on the frontend to make it easier for customers to share property listings.

PROJECTS

- **Vide - A Video on Demand (VoD) platform using AWS** — *April 2021 - June 2021*
  ReactJS, AWS Amplify, Amazon S3, AWS Lambda
  - Hosted Vide, the web app built using ReactJS on AWS Amplify. The app uses user management to sign-up and login and user authorization to upload and delete videos, and edit titles or descriptions of their videos.
  - Wrote a cost-effective transcoder using *ffmpeg* to emulate the functionality of AWS MediaConvert that converts uploaded videos into an Adaptive Bitrate (ABR) ladder.
  - Used this transcoder as AWS Lambda function, to convert and upload videos to S3 buckets.
  - Video.js library is used to leverage HTTP Live Streaming (HLS) protocol to determine the video quality from the ABR stack based on the user's screen size and network quality to play the videos.

- **Jobist - A job listings application** — *March 2018*
  JavaScript, jQuery, PHP, PostgreSQL, Git
  - Collaborated in a team of 3 to build a jobs listing app using JavaScript and jQuery to manage the recruitment model from an employer to a candidate.
  - Added role based authentication and authorization using PHP and PostgreSQL for backend and database for roles like *Candidates*, *Employers*, and *Admins*, to access and manage different parts of the portal.

HONORS AND AWARDS

- **Second place at Spectra 2k16** — *September 2016*
  In a 24-hour college-level hackathon, I prototyped an app, *Material Guidelines*, with four features: components spec sheet, colour palette generator, icon catalogue, and UI Inspiration Gallery to assist other Android app developers and designers in developing their apps with Google's Material Design.

VOLUNTEER EXPERIENCE

- **Senior Member and Contributor, XDA Developers** — *2014 - 2017*
  Collaborated with a team of 6 to build a custom Android ROM – "MinimalOS" – which grew into a community of over 2000 enthusiasts from across numerous countries.

- **Member at Google Developers Group Mumbai** — *2015 - 2019*
  Volunteered in organising GDG meetup events, each of them attended by over 50 members.