Anurag Sanjay Bannur

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https://github.com/Anurag26/vikify_mvp | https://anuragbannur.netlify.app/

EDUCATION

Northeastern University, Boston, MA — Sept. 2019 – Present
College of Computer and Information Science — Expected graduation: Dec 2021
Candidate for a Master of Science in Computer Science — **GPA: 3.83/4**
Related courses: Programming Design Paradigm, Database Management Systems, Algorithms, Web-Development, Foundations of Software Engineering, Data Mining Techniques. Fundamentals of Cloud Computing

TECHNICAL KNOWLEDGE

Languages: Java, Python, JavaScript, TypeScript, C, C++
Databases: MySQL, Firebase, MongoDB, Redis , SQLite
Technologies: Spring Boot, AWS, JPA, React, Django, Node.js, Express.js, GraphQL, ElasticSearch, Next.js
Mobile technologies: Android (Java), Ionic framework
Publications: IEEE paper https://ieeexplore.ieee.org/document/9031017

WORK EXPERIENCE

Venmo (PayPal), Boston (Remote), USA — May 2021 – Present
Software Engineering Intern

- Remodeled and rebuilt the user's statement's page on Venmo web from scratch to meet the new accessibility requirements, design specifications and reduce page load time by 28% through server side rendering using Next.js framework.
- Pioneered the transformation of a critical backend Django based API to support a public profile page for non-biz users to be shown to un-authenticated Venmo traffic. This feature helps Venmo mitigate phishing and increase total-payment volume by 30% by supporting projects like Twitter tip-jar on the web. Task also included convincing PayPal leadership about the positive impact of this change.
- Coordinated with staff front-end engineers and senior designers to overhaul the existing UI components designs by introducing reusable material API <Box/> instead of magical px numbers. This increased front-end reusability by 80%.

TruckX, Mountain View, USA — Jul 2020 – Dec 2020
Software Engineering Co-op

- Engineered the migration of all the microservices from Heroku to Kubernetes by building a CI pipeline using Jenkins to build docker images. Set up service monitoring for both https and non-https services on new relic.
- Built a deploy tool providing a UI based deployment env to the Kubernetes using Spinnaker and ExpressJS, reducing a total deploy time by 40%. Architected all the necessary cloud permission and service accounts on GCP.
- Developed Django CRUD end points contributing to the backend api-services application used by the customers.
- Set up a secure ELK logging system for the production cluster, reducing debug times to upto 50% along with Newrelic.

Vikify, Bangalore, India — Aug 2018 – Nov 2018
Software Engineering Intern

- Built a video Streaming mobile application for a professional vlog sharing platform using the Java Android SDK.
- Decreased feed latency by 90% by integrating Firebase's Real-time DB with Cloud Storage for the media content.
- Broadened the feature set by implementing Room Persistence Library thus allowing users to store vlogs locally.

ACADEMIC PROJECTS

Prattle: A Tomcat, Hibernate and a Websocket based Chat Application — May 2020 – June 2020

- A Java based chat application with features such as single/ group communication (websocket), end to end message encryption (encryptJS), message translation (google translate), subscription plan (similar to slack) and Govt Subpeona. This project was part of the FSE coursework and focused on the importance of Agile, version control and CI/CD.

EasyEvent: A GraphQL based MERN application — March 2020 – May 2020

- A Full-Stack Web App which can be used to view, create and book events. Used GraphQL along with FB's dataloader library which helped in batching and caching various API calls to the DB per node event loop cycle reducing the reads and the total number of end-points for internal CRUD functions. Github: https://github.com/Anurag26/GraphQL-BE

Whiteboard: A Learning Management System (LMS) — Jan 2020 – May 2020

- A BlackBoard clone consisting of two parts the Student and Instructor. Spring MVC, MySQL was used with React.js and Redux for the student application. Angular2.0, Express, Node.js and MongoDB was used for the Instructor application.
- Instructors can create courses and the students enrolled could view their courses, course material and attempt quizzes.