AAN PATEL

aanpatel.tech
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EDUCATION

University of North Carolina at Chapel Hill – Chapel Hill, NC Dec 2021

Bachelor of Science in Computer Science, Minor in Entrepreneurship, GPA: 3.99/4.00, Dean's List - Fall 2019-Present

- Relevant Coursework: Algorithms and Analysis, Modern Web Programming, Files and Databases, Data Science in the Business World, Introduction to Machine Learning, Computer Organization, Operating Systems, Networks

TECHNICAL SKILLS

- Programming Languages: JavaScript, TypeScript, Kotlin, Java, C#, Python, C, C++
- App and Web Development: React, Node.JS, Express.JS, MongoDB, Android App Development with Kotlin, PHP, MySQL
- Tools/Platforms: AWS, Azure, Google Cloud, Heroku, Jira, Docker, Kubernetes, Terraform, Helm, Firebase, Jenkins, Bash, Git
- LinkedIn Learning Certifications: Object-Oriented Design, Design Patterns, Test-Driven Development, Docker, Kubernetes, Helm

EXPERIENCE

Citrix Systems, Inc. | Raleigh, NC | Software Development Intern May 2021 – Aug 2021

- Delivered an end-to-end "Unified Recent Files" feature with expected 25,000+ monthly active users for the Citrix Workspace application to enable users to access all of their recent files from any number of file storage providers from one screen.
- Designed, implemented, and deployed the following feature components in the process:
  1. Two **Node.JS** integrations (back-end plugins) for the proprietary "Citrix Workspace Integration Platform" to retrieve a list of recent files along with file activity information from (1) OneDrive or SharePoint online, and (2) Google Drive.
     - Configured and leveraged industry-standard JavaScript technologies for both integrations, including Babel, Webpack, and ESLint. Implemented unit tests using Jest with 100% coverage.
  2. A microservice API for Citrix Workspace in **C#**, **.NET Core** to aggregate the responses from the "recent files" integrations. Implemented unit tests with XUnit. Configured the CI/CD pipeline using **Jenkins**. Leveraged modern technologies including Docker, Kubernetes (Helm), and Terraform, for deployment to Microsoft Azure.
  3. A Citrix Workspace user interface page for "Unified Recent Files" using **React** with **TypeScript** and Jest with Enzyme for testing.

iD Tech Camps | Philadelphia, PA | Virtual Tech Camp Instructor Jun 2020 – Aug 2020

- Delivered top-notch STEM education by teaching **Java** Minecraft Modding, **C++**, and **Python** Data Science (15-20 students/week).

Global BizConnect | Vadodara, GJ, India | Full-stack PHP Web Developer Intern May 2019 – Jul 2019

- Designed, implemented, and deployed 2 full-stack projects with a responsive UI, and a **PHP**-**MySQL** backend:
  1. E-learning platform with Google OAuth 2.0 and PayTM gateway, video, document, and quiz creation & management capabilities.
  2. A job portal website featuring a complete hiring workflow and real-time chat.

PROJECTS

SimpleWeather (View source on GitHub, See app on Play Store) Apr 2021

Designed and implemented a weather app for **Android** written in **Kotlin** in accordance with Android Jetpack recommendations (MVVM, LiveData, ViewBinding, Navigation Components) to learn and then share knowledge about the latest and greatest the Android SDK has to offer by way of a workshop at GDG Chapel Hill. App uses Retrofit with Moshi to fetch data from the OpenWeatherMap REST API.

Samosabucket (View source on GitHub, Try on Heroku, Blog Post - Colleague using this for their venture) Dec 2020

Designed and implemented an open-source food delivery web app for COVID-impacted restaurants using the MERN stack (**MongoDB**, **Express**, **React**, **Node.JS**). The web app features secure authentication using JSON Web Tokens (JWT), pure React with Bulma CSS for a beautiful front-end, and Stripe API for handling real payments. The application covers the entire restaurant workflow from "order" to "delivery", and is deployed on Heroku for demo. Assisted a colleague to use this app and launch their startup – CloudEats.app; they received $5000 in non-equity funding and a space in the summer 2021 cohort at UNC's "Launch Chapel Hill" startup accelerator.

MediScan (HackDuke team project – See contribution details on Devpost, View source on GitHub) Nov 2019

Designed and implemented an **Android** app in **Java** to simplify the digitization of medical reports. Users select portions of a report document by dragging a rectangle across parts of the image and label them by typing in what that section corresponds to. The app remembers the labeling to make the process repeatable for reports of the same format. App interfaces with an API built by teammates that utilizes the Google Cloud Vision API for Optical Character Recognition.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Google Developers Group |Chapel Hill, NC | Chapter Founder & Organizer Dec 2019 – Present

- Spearheading a diverse community of 100+ participants to network, build tech projects, and learn (see aanpatel.tech/community).
- Organizer, Host, and Speaker for virtual events (full list at gdg.community.dev/gdg-chapel-hill):
  - **Google Cloud** App Engine and Cloud SQL Workshop (Jul 2021), **Kotlin Android** Weather App Workshop (Apr 2021), and more.

See more of my projects and certifications on LinkedIn and aanpatel.tech. See digital version to click links at aanpatel.tech/resume.pdf