AMAN T. BHAT

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SUMMARY

Skilled Full Stack Software Engineer with a successful record engineering innovative solutions, enabling impactful features, integrating AI to transform the product suite and driving business growth. Recognized for my aptitude to acquire new skills, adapt to job demands, proactively drive enhancements and deliver results. Over 2 years of professional experience, with a blend of frontend, backend, AI and cloud technologies.

TECHNICAL SKILLS

Python, Java, Spring Boot, C, C++, Golang, TypeScript, JavaScript, HTML, CSS, React, React Native, Next.js, Pandas, PyTorch, Node.js, Express.js, Docker, AWS Lambda, SNS, GCP, Redis, MySQL, PostgreSQL, GraphQL, MongoDB, DynamoDB, git, Github, Gitlab, Bitbucket, npm, yarn.

WORK EXPERIENCE

Full Stack Developer | Fundit Inc.   Oct 2023 - Present
- Architected the Fundit website with **authentication** and data management using **OAuth, Magic Link** and **MySQL** and a robust backend **REST API** suite using **Xano**.
- Ensured a user-friendly and secure financial platform using **Weweb, Javascript** and **CSS**.
- Pioneered a **conversational AI financial analyst** enabling dynamic data extraction using **Supabase**, visualization using **Next.js** and **OpenAI APIs** with fine control over chart configuration and code customization.

Lead Software Engineer | Easley-Dunn Productions Inc   Jul 2023 - Present
- Informed **economy team strategies** for the Robot Race game using **Unity** and **Firebase Analytics** and prompted tailored improvements with player behavior insights.
- Extracted data from events using **BigQuery** and **SQL** and constructed a dashboard for monitoring and analysis.
- Engineered the PluginImporter tool proactively using **C#** to automate management of Custom SDKs.
- Devised the ErrorLogger util to enable **real-time crash reporting** with custom error messages, eliminating debugging effort for **500+ error logs**.

Software Engineer | AirAsia Technology Centre   Sep 2020 – Jul 2021
- Accelerated hotel cancellation **turnaround time by 90%** using **BigQuery** and **Google Cloud Functions** in **Java**, serving **800+ transactions per day** and saving **~$500 per transaction**.
- Mitigated **2 billable hours per transaction** from the customer happiness team workload.
- Enhanced the booking interface for **13 million MAUs** using **React** and **React Native** to incorporate flexible hotel dates.
- Upgraded backend **REST API** suite using **Java, Golang** and **Typescript** to accommodate flexible hotel bookings.
- Induced **20% increase in conversion rate, 80% increase in engagement** and **revenue boost of ~$17,000 annually**.

Associate Software Engineering Intern | LogMeIn   Jan 2020 – Jul 2020
- Developed **AWS Lambda** functions with **Python** to monitor AWS Health events and send email alerts using **SNS**.
- Designed a web app using **Angular, CSS** and **HTML** to check the status of each network interface and redirect traffic during maintenance events.
- Trimmed maintenance effort from **45 minutes to 2 minutes**, **alleviated downtime by 20%** and **reduced expenses of $2500 per event**.
- Automated the employee onboarding process using **Angular** and **Python**, **reducing team leads' billable hours** from **48 hours to 30 minutes**.

PROJECTS

Emulated Distributed File System (EDFS) | USC
- Built EDFS storage using **MySQL** and **Firebase** with **Namenode, Datanodes** and **block replication**.
- Enabled backend **REST API** suite using **Python** and **Flask** to host standard DFS calls and perform **Partition-based Map Reduce(PMR)** for search and analytics.
- Implemented terminal UI and folder structure for the EDFS to interact with the backend using **React**.

Stock Trading App | USC
- Created a backend **REST API** suite using **Python** and **Flask** to fetch stock overview, stock detail and social insights.
- Crafted a web app with **Angular** and **iOS** app with **SwiftUI** to trade virtual stocks with real-time balance, manage portfolios, track favorite stocks and share news on Twitter and Facebook.

ACHIEVEMENTS

Homecoming | IIT Bombay   Oct 2018 - Mar 2019
- Achieved **5th rank among 5790 teams** at IIT-Bombay's "e-Yantra" robotics contest.
- Generated **neural net for animal/habitat recognition** using **Python, PyTorch, OpenCV** and **ResNet-50**.
- Programmed IR sensors using **C++** to navigate grids and a **Servo motor** controlled robotic arm using **C** to pick and place objects within grid cells accurately.

EDUCATION

M.Sc., Computer Science | University of Southern California, Los Angeles   Aug 2021 – May 2023
B.Tech., Computer Science and Engineering | P.E.S. University, Bangalore, India   Aug 2016 – Jul 2020