Akshay Gupta

Software Developer

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EDUCATION

Northwestern University   09/2021 – present | Evanston
Masters in Computer Science
Coursework: Data Structures and Algorithms, Database Systems, AI / ML, Social AR/VR

PROFESSIONAL EXPERIENCE

Zendesk 🔗   09/2021 – 06/2022 | USA
Software Developer Intern

- **Developed PageTitle Feature for Zendesk's Agent Dashboard Application**
  - Solved issues on Zendesk's AgentDashboard, which is Zendesk's Ticketing App for Customer Support & Reporting built using Ember MVC & ReactJS.
  - Designed custom ReactJS hooks to keep track of the mounted React components and save titles in the redux store according to the active component ID, which increases the performance and reduces the lag & flickering in titles.
  - Improved user accessibility by displaying a descriptive title depending on the page's active React or Ember component.
  - Utilized canary deployment method to build this feature, and it was deployed for the Zendesk support Agent Dashboard app available to thousands of users.
  - Implemented Cypress Integration & Jest Unit Test Suites for React Components and PageTitle feature to check the Integrity and improved test success rate.
- **Integrated SonarQube with GitHub workflow.**
  - Developed a script to report the code coverage for React JS & TS jest unit tests via Sonarscanner.
  - Designed a GitHub workflow to periodically report the code coverage of jest unit tests via the Sonarqube dashboard.
- Reported software defects and improvements, leveraging JIRA to assess and communicate impact to managers.
- Participated and contributed in all aspects of software development life cycle.
- **Technologies**: Javascript, Typescript, React, EmberJS, Jest , Cypress, Jenkins, Git YAML Workflow

Param Labs PVT LTD   05/2020 – 10/2020 | India
Unity Developer

- Collaborated with the product team to create Augmented reality prototypes using Unity Engine, ARfoundation, and C#.
- Collaborated with cross-functional development team members to analyze potential system solutions based on evolving client requirements.
- Designed an Algorithm to create dynamic-size 3D curtain models in Augmented reality real-time for the Maia curtains App.
- The algorithm increased the performance and revamped the load time to render 3D models 90% faster.
- Designed the UI, store, email & share screenshot functionality for the Maia app made with Unity. Published on the IOS store, the app had thousands of users.
- **Technologies:** C#, Unity, ARFoundation, Vuforia, AdobeXD

SKILLS

Programming Languages: (Java, C#, C++, JavaScript, ReactJS, TypeScript, NodeJS, Flask, Angular, Bootstrap, SpringBoot)

Tools (Git, Postman, VScode, Visual Studio, Unity, ARFoundation, Material UI,Docker, Jenkins, JIRA)

PROJECTS

Reddit Clone   06/2021
- Created a web app like Reddit on spring boot and AngularJS template as the frontend.
- Integrated spring security, JWT for user authorization and spring JPA and MySQL as a database for saving the posts, comments, and user data.
- **Technologies:** Java, Spring Boot, Angular, JWT, MYSQL

Stock Price Dashboard Microservices   10/2021
- Developed & Integrated three micro-services on Spring boot which stores stock data in a MongoDB docker container and retrieves the price for that stock via Polygon API.
- The microservices communicate with each other through the eureka server which reduces the delay by 50% and increases the fetch time drastically.
- **Technologies**: Java, Spring Boot, Microserve Architecture, Eureka Server, Spring Cloud

FullStack Instagram Clone 🔗   04/2022
- Developed a full-stack web clone of instagram using ReactJS and flask. The app used React-Router for page navigation and Axios to fetch APIs.
- The APIs were built in Flask and used JWT & CSRF refresh tokens to keep track of user sessions and provide authentication in the application.
- Postgres was used to save user & post data and the application was deployed using Heroku.
- **Technologies**: Javascript, React, Jest, Git, Python, Flask, Heroku, REST Architecture