Pankaj Choudhary

204-698-1536 | pankajc2041@gmail.com | linkedin.com/in/pannkajj

SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, TypeScript, Bash, PostgreSQL
Frameworks: ReactJS, Node.js, Flask, Django, LAMP, Spark
Developer Tools: Git, Docker, AirFlow, Amazon Web Services (AWS), GCP, Azure, VS Code, PyCharm, IntelliJ
Soft Skills: Leadership, Team collaboration, Writing, Communication skills, Time Management
Certifications: Associate Data Engineer in SQL

EXPERIENCE

Software Development Engineering Intern   05/2023 – 08/2023
Amazon   *Toronto, Canada*
- Conducted a Proof of Concept to host the S3 Console on a serverless architecture, leveraging AWS CDK for infrastructure as code
- Improved the console's performance by 40% through optimized code and efficient resource management
- Achieved a 30% reduction in operational costs by implementing cost-saving strategies and optimizing resource utilization
- Ensured above 96% code coverage through rigorous testing practices including Unit Tests, End to End Tests, and Integration Tests
- Utilized Typescript to maintain type safety and reduce runtime errors
- Developed features and functionality using ReactJS for a responsive and interactive user interface

Technical Intern   04/2022 – 04/2023
Proofpoint   *Toronto, Canada*
- Developed and deployed full stack web applications using React for frontend and Flask for backend
- Leveraged AWS services (EC2, S3, RDS, Lambda) for application hosting, data storage, and serverless functions
- Automated manual tasks with optimized Bash scripts, enhancing efficiency and reducing human error
- Designed and implemented RESTful APIs to enable communication between frontend and backend systems
- Integrated third-party APIs to extend application functionality and improve data handling
- Conducted comprehensive testing and debugging to ensure high performance and reliability
- Collaborated with cross-functional teams to gather requirements and deliver solutions aligned with business needs
- Followed best practices in version control using Git for smooth collaboration and code management
- Demonstrated strong problem-solving skills and the ability to work independently on complex projects

PROJECTS

Texter - Text/Multimedia Messaging Application on Android | *Java, Android Studio, Google Firebase*
- Developed an android application using Android Studio and Firebase as database
- Implemented Firebase Auth for authentication and user management
- Used SHA256 for encryption
- Published the app to Google Play Store

MemeShare - Sourcing Memes from Reddit | *Java, Android, REST APIs*
- Developed an android application using Android Studio and served content using REST APIs
- Used API to get content from Reddit
- Used Intent actions to share posts to others using Android's inbuilt features
- Published the app to Google Play Store

EDUCATION

University of Manitoba   Winnipeg, Canada
Bachelor of Science in Computer Science   *08/2021 – 10/2024*

Lovely Professional University   Phagwara, India
Diploma in Computer Science and Engineering   *07/2018 – 06/2021*