FNU PRIYESH

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EDUCATION

Northeastern University, Khoury College of Computer Sciences — Boston, MA
Master of Science, Computer Science — Sep 2021 - Dec 2023
Related Courses: Programming Design, Algorithms, Software Engineering, Data Processing, Web Development, Machine Learning.
Teaching Assistant (DBMS): Guided a group of 80 students by addressing queries regarding relational database and PL/SQL.

WORK EXPERIENCE

CHARLES RIVER DEVELOPMENT — Boston, MA
Software Development Intern — Jul 2022 - Dec 2022
- Followed test driven approach to develop a simulator module in Java to replicate FIX initiator using quickfixj library to produce simulated BUY/SELL order singles, minimizing discrepancies related to incomplete data instances by 10%.
- Migrated from ant-based build to Gradle build for better dependency management and moved version control from perforce to GitHub to facilitate collaboration, flexibility, and streamline the CI/CD pipeline through Azure integration.

HUGHES SYSTIQUE — Gurgaon, India
Senior Engineer — Jul 2020 - Aug 2021
- Created a web application leveraging React to display various API responses cutting down post-deployment regression testing time by 80% and employed Site 24x7 tool to monitor availability of API services enabling the team to debug API issues.
- Implemented over 20 robust RESTful APIs using Node.js, enhancing server-side functionality and optimizing backend performance.
- Utilized user input to enhance interface of a React based self-care web application, resulting in a 40% decrease in support tickets related to API interactions, demonstrating a strong focus on user-centric design and continuous improvement.
- Utilized Redux Thunks for asynchronous API interactions, enhancing user-specific state management and code debuggability.
- Engineered and deployed a scalable Python/Flask-based AI microservice for POC using Docker on AWS ECS, effectively identifying spam messages. Integrated successfully with a .NET (C#) backend via REST APIs, showcasing cross-platform compatibility.

ERICSSON — Noida, India
Software Engineer — Nov 2015 - May 2020
- Implemented over 20 features using JavaScript and rapid application development techniques to create a ticketing application, Micro-focus Service Manager. This enhanced IT service management processes, including Incident, Problem, and Change Management.
- Utilized Java Spring boot framework to architect backend solution implementing a Trouble-Ticket to Event integration through restful APIs, schemas, log-parser, triggers, and processes, resulting in a 30% reduction in event resolution time.
- Lead deployment releases, making significant contribution to scrum meetings, code review, sprint planning, and retrospectives in compliance with Agile SDLC principles, additionally lead team building activities to foster problem-solving and communication.

TECHNICAL SKILLS

Programming & Scripting Languages: Java | Python | PL-SQL | JavaScript | TypeScript | Shell Scripts | HTML | CSS | C++
Frameworks: Node.js | Express | React | Redux | jQuery | Flask | Android | Spring boot | Mongoose | Hibernate (JPA)
Databases and Other Skills: SQL Server | NoSQL | PostgreSQL | MySQL | Oracle | MongoDB | ETL | REST API | AWS
Applications: OpenShift | Jenkins | Git | Jira | Gitlab | Ansible | AppDynamics | Splunk | Selenium | F5 Big-IP | Kubernetes
Training and Certifications: System Administrator Linux Operating System | Java Essentials | Cloud Computing | ITIL | Unix

PROJECTS

STOCK MARKET WEBSITE, Northeastern University, https://stockmarket-trending.netlify.app, GitHub, Git-Frontend, YouTube
- Developed a full-stack stock market trend analysis web app using the MERN stack, integrating real-time financial data with interactive features such as admin console, views, comments, leveraging technologies like Node.js, Express.js, and React.js.
- Implemented advanced web functionalities including JWT-based state and session management, Redis caching for optimized data retrieval, OAuth for secure third-party authentication, and data encryption, ensuring a secure and seamless end-user experience.

TUITER WEBSITE, Northeastern University, https://tuiterapp.onrender.com/, GitHub, YouTube
- Developed a social networking website, leveraging JavaScript, TypeScript, Bootstrap, React, and Mongo DB on a Node.js server, incorporating RESTful Webservices to serve HTTP requests, and enriched with features like boards, likes, tweets, and follow options.
- Implemented user sessions and achieved 80% code coverage using Jest and React Testing Library for enhanced quality assurance.

PAC-MAN INSPIRED GAME, Northeastern University, https://github.com/amarpriyesh/Pac-Man-Adventure-Game, (Java)
- Constructed an adventure game utilizing Kruskal's algorithm to create a spanning tree for a cave and tunnel network. Used union design, oops, MVC principles, and strategy patterns with multi-threading for dynamic gameplay and concurrent player movements.
- Tested project modules using a JUnit 4 test suite, achieving 86% coverage. Implemented the game's view using Java Swing library.

PORTFOLIO, https://priyeshportfolio.info, (Next.js, Tailwind, Figma)
- Crafted a responsive website using Next.js and Tailwind CSS, with dark mode, SSL/TLS security, AWS EC2 instances, and integrated mail server, ensuring broad compatibility and featuring a user-centric design adhering to HCI principles.