Annu Abraham

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EDUCATION

University of Maryland   College Park, MD
M.Eng. Software Engineering, GPA: 3.7   Expected May 2020

University of Kerala   Kerala, India
B.Tech. Information Technology, First class with distinction   May 2014

SKILLS

Languages & Frameworks: React/Redux, JavaScript, HTML5, CSS3, SCSS, Bootstrap, ECMAScript 6, AJAX, JSON
Testing Frameworks: Jest, Mocha, Cypress.io, Selenium Web Driver.
Database: MySQL, MongoDB.
Software & tools: Git, JIRA, Bitbucket, Confluence Postman, Putty, Docker, Jenkins, Agile, Visual Studio Code, Microsoft Office Suite, Google Suite.
Others: NPM, front-end testing, unit testing, cross-browser compatibility, responsive design, CSS media queries.

WORK EXPERIENCE

Joint Quantum Institute, University of Maryland, College Park   College Park, MD
Graduate Assistant – React Developer   *July'19 – Present*

- Created Open Source React-based Web Application for presenting interactive Quantum Physics Experiments aiming to create awareness and interest in Quantum Physics for over 30000 students on UMD campus and more.
- Proactively fixed bugs and initiated Test-Driven Development by writing tests in Jest with 86% coverage.
- Intensively worked with media queries and bootstrap to make the website responsive.

TATA Consultancy Services   Chennai, India
Software Engineer   *Sep'16 – Jun'18*
Domain: Retail – Airlines

- Designed reusable user interface components in React and JavaScript ES6, managed application state using Redux.
- Boosted code coverage to more than 90% by writing unit tests in Jest and Enzyme to save development efforts.
- Contributed in continuous integration and continuous delivery (CI/CD) by making pull requests using GitHub.
- Collaborated in Agile methodology by briefing team in scrum calls, suggesting story tasks, and approximating efforts.

TATA Consultancy Services   Chennai, India
Assistant System Engineer   *Oct'14– Aug'16*
Domain: Banking and Insurance

- Built Single Page Applications (SPA) that integrated with backend via RESTful APIs using Fetch-based frameworks.
- Standardized application built from scratch with web accessibility by adhering to WAI-ARIA standards
- Ensured performance, quality, and responsiveness of applications by conducting end to end testing and Unit testing.
- Tracked code revision history using Git and used JIRA boards to manage Sprint tasks.

TECHNICAL EXPERIENCE

UMD Engineering Software Project   College Park, MD
Full Stack Developer   *Jan'19 – Present*

- Authored a responsive web application using React/Redux, Bootstrap, media queries, and Material-UI
- Learned Spring Boot and developed RESTful APIs for seamlessly communication between the client and server.
- Managed and trained team members in the emerging Web technologies such as React/Redux, Spring Boot, Bootstrap.