

<div> <div> <div>ABEY K RAJAN</div> <div> abey-k-rajana abeyrajan7 </div> </div> <div> <div> <div>EMAIL: abeyrajan7@gmail.com</div> <div> +1 667-379-6581 Arbutus, MD [Open to Relocate] </div> </div> </div> </div>	
<div>WORK EXPERIENCE</div>	
<div> <div> <div>• React Native Developer – Folio Up, Remote</div> <div> <ul style="list-style-type: none"> Developed and maintained cross-platform mobile applications using React Native, enhancing user experience and engagement, resulting in 30% increase in app downloads. Collaborated with UI/UX designers to implement responsive and visually appealing mobile interfaces. Optimized app performance and reduced load times by 25% through code refactoring and efficient use of libraries. </div> </div> <div> <div>• Research Assistant – ESL Lab, UMBC (PI: Dr. Mohammad Samarah)</div> <div> <ul style="list-style-type: none"> Engineered responsive React.js web apps, enhancing user experience and engagement across platforms. Constructed Django REST APIs for text summarization, enabling seamless integration and automation. Led a team to develop a data collection platform using Django, enabling scalable device data gathering through a SaaS-like application. </div> </div> <div> <div>• Developer Intern - YouROK Corp, Menlo Park, CA, USA</div> <div> <ul style="list-style-type: none"> Crafted responsive web pages in Next.js and Tailwind CSS, ensuring smooth multi-platform access. Optimized RESTful APIs with Node.js and Express.js, cutting response time by 30% and boosting performance. Used GitHub for version control, tracked and resolved bugs in Jira throughout 20+ Agile sprints. </div> </div> <div> <div>• Specialist Programmer, Infosys Ltd – Electronic City, Bangalore, India</div> <div> <ul style="list-style-type: none"> Assembled a scalable employee management system using PHP Laravel, increasing request handling speed and client employee satisfaction by 60%. Implemented caching strategies (Redis) and optimized SQL queries, reducing database query time by 20%. Applied backend form validation using Laravel Request classes, improving data integrity and security. Designed PDF-ready layouts with Blade and JS, boosting report usability and user engagement by 35%. Implemented Role-Based Access Control, enhancing data integrity and dynamic content access based on user roles. Optimized storage efficiency for 100+ users by automating deletion of outdated and granted requests via cron jobs. Automated Cypress tests with Jenkins CI/CD and XML, cutting manual effort and accelerating QA by 40%. </div> </div> </div>	<div> <div>May'25 - Current</div> <div>April'24 – April'25</div> <div>July'24 – October'24</div> <div>September'20 – August'23</div> </div>
<div>PROJECTS</div>	
<div> <div> <div>• Software Bill Of Materials (SBOM) Finder</div> <div> <div>Java Spring Boot, React (Next.js), TypeScript, PostgreSQL, Syft, OSV API</div> <ul style="list-style-type: none"> Configured a full-stack SBOM Finder to generate Software Bill from device firmware, cutting manual analysis time. Enabled SPDX and Cyclone-DX format downloads of SBOMs, boosting traceability and audit readiness. Automated vulnerability detection via OSV APIs and Syft, improving security accuracy by 80%. </div> </div> <div> <div>• ESL V1</div> <div> <div>Django, React, JavaScript, PostgreSQL, VS Code, Jupyter, NLP</div> <ul style="list-style-type: none"> Built Django REST APIs for ToS summarization using spaCy for ethical software analysis. Developed React UI for displaying summaries and improving user access. Used Jupyter Notebooks for NLP workflows and model validation. </div> </div> </div>	
<div>EDUCATION</div>	
<div> <div> <div>• University of Maryland - Baltimore County – Baltimore, MD, USA</div> <div> <div>Master of Professional Studies in Software Engineering</div> <div>Relevant Coursework: Fundamentals of Software Testing, Structured Systems Analysis & Design, Human-Centered Computing</div> </div> </div> <div> <div>• APJ Abdul Kalam Technological University – Kottayam, Kerala, India</div> <div> <div>Bachelor of Technology in Computer Science and Engineering</div> <div>Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Project Management, Object Oriented Design</div> </div> </div> </div>	<div> <div>August'23 - May'25</div> <div>GPA: 3.73/4.00</div> <div>August'16 – August'20</div> <div>GPA: 7.24/10.00</div> </div>
<div>SKILLS</div>	
<div> <div>Programming Languages:</div> <div>Front-end Development:</div> <div>Backend Development:</div> <div>Cloud & DevOps:</div> <div>Databases & Tools:</div> <div>Functional Skills:</div> </div>	<div> <div>Python JavaScript TypeScript PHP Java C/C++</div> <div>React.js React Native HTML5 CSS3 Bootstrap</div> <div>Spring Boot Laravel Django Node.js RESTful APIs Microservices</div> <div>AWS (Lambda, EC2, S3) Docker Jenkins CI/CD Pipelines</div> <div>PostgreSQL Redis MongoDB MySQL Git GitHub GitLab Jira</div> <div>Stakeholder Management Business Communication Cross-Team Collaboration</div> </div>