Kuruvilla Biju Cheruvallil

Idukki (Kerala), India

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Experience

Redblack Software (previously intelliflo)   July 2023 – Present
Software Engineer (January 2025 – Present)   Kochi, Kerala
Associate Software Engineer (July 2023 – January 2025)

- **Epic Ownership & Major Features:** Led the development of the Rebalance Horizontal Widget, a highly customizable DevExpress (DevExtreme) grid used by a large client base. Delivered CRED operation features for compliance rules, a major add-on in the Intelliflo–RedBlack platform.
- **Full Stack & Backend Development:** Acted as epic owner while a Software Engineer, working across cloud backend and advanced front-end UI. Designed and maintained REST APIs, OpenAPI specifications, database operations, and backend services to ensure scalable, reliable integrations.
- **UI Customization & Developer Productivity:** Built complex UI customizations using DOM manipulation scripts to enhance configurability and user experience. Created scripts and workflow tools (e.g., Developer Hub UI enhancements, internal apps) to streamline developer productivity and efficiency. Trusted for creative problem-solving and advanced coding skills.
- **Testing, QA & Cross-Team Support:** Authored unit and integration tests to improve reliability and reduce defects. Supported QA by creating and executing performance testing scripts (JMeter), ensuring development and testing stayed in sync.
- **Collaboration & Leadership:** Conducted MR reviews, enforced coding best practices, and contributed to code maintainability. Delivered feature demos and led sprint ceremonies (closures, retrospectives), ensuring alignment and continuous improvement.
- **Recognition & Awards:** Honoured with the Rookie Award twice for exceptional performance and high-impact contributions.
- **Problem Solving & Flexibility:** Recognized for stepping beyond role expectations, bridging frontend, backend, QA, and automation responsibilities to deliver team-focused, high-value solutions. Transitioned quickly from web to desktop (MVVM architecture), contributing effectively with minimal ramp-up time.

SkyPoint Cloud   October 2022 – November 2022
Data Engineer Intern   Bangalore, Karnataka

- Hands-on experience in cloud data pipelines and data engineering.

Kites Software Pvt Ltd   May 2022 – July 2022
Django Developer Intern   Kochi, Kerala

- **Reusable Django Framework:** Built a skeletal project for rapid development of multiple student-focused applications.
- **Full Stack Development:** Implemented 4–5 projects using Python, Django, HTML, CSS, and JS with frontend-backend integration.
- **Efficiency & Adaptability:** Enabled quick project adaptation by designing reusable workflows and structures.

Technical Skills

- **Languages:** HTML, CSS, JavaScript, Typescript, C#, Java, Python, C, C++ SQL, jQuery
- **Tools / Technologies:** Git, GitLab, GitHub, Jira, AWS, Bootstrap, DOM Manipulation, JMeter, Nuke, Browser Debugging
- **Frameworks:** Aurelia, React, Dapper, Framer Motion, CSS transitions/animations, .Net
- **Additional Skills:** Data Structures & Algorithms, Interactive Web Components, Problem-solving & collaborative development

Education

Rajagiri School of Engineering and Technology   September 2019 – June 2024
Bachelor of Technology in Information Technology   6.81(First Class)

Projects

- Pianissist-AI: Built a browser-based piano playable via mouse, keyboard, or voice; implemented Web Audio API, pitch detection, and dynamic key rendering to create an interactive music experience. Tech: JS, HTML, CSS, Web Audio API, UI/UX
- House Rental Platform: Developed a web platform for property listings, shared rent, and user roles; improved tenant-owner interaction and planned for payment integration. Tech: Python (Django), HTML, CSS
- RealTES – Virtual Office: Web-based 3D virtual office using Unity embedded in a webpage, simulating remote team collaboration during COVID. Tech: Unity, C#, Web Integration, 3D Design
- RGBOO – RGB Colour Guessing Game: Designed an engaging RGB colour-guessing game with interactive UI to enhance learning and gameplay experience. Tech: HTML, CSS, JS, UI Design
- Bank Management System: Created a Python console app simulating full banking operations with OOP and file I/O; enhanced understanding of core programming concepts. Tech: Python, OOP, File I/O