

Akshay Manoj

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WORK EXPERIENCE

Entrust Shipping

Kochi

Software and security consultant

February 2022 – August 2022

- Conducted thorough risk assessments, resulting in a 20% reduction in identified risks.
- Analysed security policies and procedures, minimising policy gaps by 30%.
- Achieved a 25% reduction in successful cyber-attacks by implementing effective security measures.
- Conducted penetration testing, reducing vulnerabilities in applications by 40%.
- Audited system security logs, resulting in a 30% increase in preventative action against potential breaches.
- Investigated security incidents, refining the approach and resolving incidents 20% faster.
- Monitored network traffic, achieving a 15% reduction in response time to potential threats.
- Investigated and analysed security alerts, reducing incident response time by 25%.
- Blocked malicious activity and eliminated intrusions by 30% by implementing intrusion detection and prevention systems (IDS/IPS).

Tata Consultancy Services (TCS)

Kochi

Front-end Developer

August 2020 – February 2022

- Spearheaded the development of web applications using Next.js, React.js, TypeScript, HTML5, CSS3, JavaScript, Tailwind CSS, and Bootstrap, resulting in a 20% increase in user engagement and a 15% boost in overall application performance.
- Led four Node.js projects as a technical lead by implementing Scrum and Kanban methodologies and adapting to urgent pandemic-related requirements, resulting in a 20% improvement in project delivery timelines.
- Created and executed a comprehensive training program, resulting in a 30% reduction in onboarding time and increased team productivity, contributing to timely project delivery and positive customer feedback.
- Directed a 12-member team, emphasising code quality through reviews and feedback, resulting in a 25% reduction in page load times and a 20% enhancement in overall website efficiency using tools like Lighthouse and GTmetrix.
- Executed rigorous unit and regression testing with Jest and Cypress, resulting in a 30% decrease in production defects and improved product quality, following Test Driven Development methodologies.
- Guided a high-complexity project, emphasising teamwork and efficiency among new hires, by holding regular sprint meetings and reviews.
- Collaborated with team members and cross-functional departments, ensuring synchronised project completion, effective problem resolution, and streamlined project delivery. Reduced issue resolution time by 30% and enhanced overall efficiency by 15%.

EDUCATION

University of Strathclyde

Glasgow

MSc Advanced Computer Science

September 2022 – October 2023

- Graduated with Distinction, showcasing exceptional academic performance.
- Specialized in Next JS, TypeScript, React JS, MUI, Tailwind CSS, and AWS Cloud technologies, highlighting diverse technical expertise.
- Led teams in web development, project management, and Android development, showcasing effective leadership and collaboration skills.

PROJECTS

- **The Weather App with a twist:**
 - Developed a web app seamlessly integrating the OpenWeather and Unsplash APIs for an immersive user experience with weather info and imagery based on user-searched locations.
- **Walking Route Finder:**
 - Developed a web application leveraging the Strava API, Google Maps, and Distance Matrix API to enhance user experience while employing Scrum practices for effective project management.
- **Progressive Web Application (PWA) for Bulls and Barber:**
 - Designed an intuitive UI/UX interface to optimise user and administrator interactions, utilising AWS cloud services to enhance app scalability and security. Prioritised stakeholder feedback and aligned solutions with prevailing market demands and trends.

SKILLS & INTERESTS

- **Skills:**
 - Languages: JavaScript, TypeScript, PHP, Python, CSS,
 - Frameworks/Libraries: React.js, Next.js, Node.js, Django, Express.js
 - UI Design Tools: Figma, Adobe XD
 - Tools & Platforms: Redux, Zustand, AWS Cloud, CI/CD Pipelines, Adobe Experience Manager (AEM),
 - Testing Tools: Cypress,
 - Methodologies: Scrum, Kanban,
 - Productivity Tools: JIRA.
 - Query Language: GraphQL
 - Database: MySQL, MongoDB, SQLite
 - API: REST API
- **Interests:**
 - Web development, UI design, cybersecurity, Advancing skills in AI and ML, and collaborative research.