MANOJ KUMAR

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EXPERIENCE

Associate Software Engineer — July 2023 - Present
Commonwealth Bank of Australia — *Bangalore, India*

- Engineering a robust and fault-tolerant notification system for fraud detection and prevention. Leveraging ASP.NET Web API, Apache Kafka, GraphQL, and MongoDB.
- Improved workflow by developing mission-critical internal tools using OpenXML and ASP.NET Web API.

Associate Consultant — March 2021 - July 2023
Capgemini — *Bangalore, India*

- Successfully led a group of three frontend engineers to build a modular and micro-frontend application for a prominent retail giant and successfully achieved 20% reduction in page load time.
- Enhanced overall productivity by 15% through the development of a data management platform that empowered teams to make data-driven decisions, utilizing Angular, TypeScript, Node.js, and SharePoint.
- Achieved 80% reduction in cost through REST API restructuring and the automation of a document generation tool, utilizing OpenXML, ASP.NET Web API, Angular, and React.js.
- Streamlined a DevOps pipeline, resulting in a 40% reduction in deployment times, utilizing GitLab CI/CD, SonarQube, Docker, Nginx, and Kubernetes.
- Enhanced order accuracy by 10% by implementing a event-driven order tracking system leveraging ASP.NET Web API, Apache Kafka, MongoDB.
- Architected and designed highly scalable RESTful microservices APIs following the principles of Domain-Driven Design (DDD) for code maintainability. Leveraging ASP.NET Web API, Entity Framework Core, and MySQL

PROJECTS

Image Super Resolution Tool — Dec 2019 - July 2020
Built a tool to convert a low resolution image to high resolution image, using pre-trained ESRGAN Deep Learning ML Model, a model which learns from large data sets to generate super realistic images. Technologies used are Python, Jupyter and PyTorch.

SKILLS

Programming	C#, Python, typescript, JavaScript, Golang, Rust, MySQL, GraphQL
Frameworks	.NET Core, ASP.NET Web API, Angular, React.js, Next.js, Blazor, Entity Framework (core)
DevOps	Git, Docker, Kubernetes, Jenkins, Azure Cloud, AWS
Others	MongoDB, Apache Kafka, Gitlab CICD, Teamcity, Octopus, SonarQube, REST Microservices

EDUCATION

Bachelor of Electronics and Communications, UVCE (Bangalore University) **Aug 2016 - Sep 2020**
Relevant Coursework: Probability and Stochastic Processes, Computer Organization and Architecture, Information Theory and Coding, Computer Communication Networks, Advanced Computer Communications

ACHIEVEMENTS AND CERTIFICATES

- Open Source Contributions, Tree planted ([Tree-Nation](https://tree-nation.com)) on my name for first 50,000 successful contributions as part of Github Hacktoberfest. **Oct 2023**
- Certified in Azure Fundamentals from Microsoft **Feb 2023**
- Certified in Agile Software Development by University of Minnesota from Coursera **Jan 2022**
- Top 9th Scorer for the class of Electronics and Commuication Engineering. **Sep 2020**