Curriculum Vitae

Tanvir Hossain Khan

Name

Tanvir Hossain Khan

Title

Technical Consultant

SAS Office

Canberra, Australia

Email

tanvir.khan@sas.com

Education

Master of Business Informatics,
University of Canberra, Australia.

Main Project Roles

Software Engineer – Software Development in Operational
Science & Technology, Australian Federal Police (AFP)

Career Summary

I'm a capable, motivated Technical Consultant with hands-on experience across customer service, business intelligence, software development, and data analytics. I focus on delivering the kind of support that actually moves work forward for both teams and clients.

➢ I learn fast, adapt quickly, and don't hesitate to step in when things get complex or time-sensitive.

➢ My recent work draws on my training in Business Informatics, supporting staff across customer service, communication, and information-management functions.

➢ I collaborate well with internal and external stakeholders, asking the right questions, understanding user needs, and knowing how to prioritise and act on requests.

➢ I take a practical, can-do approach to technical support—installing, configuring, and troubleshooting software and hardware for both corporate and individual users.

➢ I think clearly under pressure, break problems down logically, and resolve issues quickly while staying aligned with organisational standards and customer goals.

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Areas of Expertise

Project Management & Implementation

- Building relationships with client Executives to provide practical guidance in the functional and technical aspects of proposed **SAS Viya solutions** and set proper expectations to ensure customer satisfaction.
- Development and installation of **SAS custom control** in existing system to address client requirements.

Team Management

- Clear and Effective communication with SAS team members as well as Client team members.
- Effective leader and active participant in managing various aspects of the project life cycle including project scope and milestones, risk management, requirements gathering, requirements analysis and management, testing and implementation.
- Possesses excellent analytical, communication and team management skills with in-depth technical expertise, ability to work with senior executives, experience of the full software development lifecycle and extensive project and delivery management experience.

Technology

- Experience in analysing data using SAS tools including **Base SAS, SAS Enterprise Guide and SAS Visual Analytics.**
- Hands-on experience with Angular through **SAS Visual Investigator**, where I worked with custom controls, workflows, and front-end components to meet complex business requirements.
- Strong front-end foundation using **HTML, CSS, Tailwind CSS, and DaisyUI**, with the ability to take ideas from rough concepts to clean, accessible, production-ready UIs.
- Advanced **JavaScript (ES6+)** skills, including DOM manipulation, API integration, debugging, and effective use of browser DevTools.
- Deep experience with **React and Next.js**, building scalable applications using **App Router / Pages Router, server-side rendering (SSR), static site generation (SSG), dynamic routing, API routes**, and **performance optimisation**. Strong hands-on use of **React Hooks, Context API, TanStack Query, Axios, Recharts**, and **payment integrations** to deliver data-driven interfaces.
- Full-stack capability with **Node.js, Express.js, MongoDB, and Firebase**, including building secure, scalable APIs with **JWT-based authentication**.
- Strong understanding of **API design and integration**, including defining RESTful endpoints, implementing authorization flows, managing authentication tokens, and making secure, authenticated requests to **Datahub and other backend services**.
- Solid command **of SAS SQL, SAS programming, and SAS Viya** concepts, combined with the ability to translate technical requirements into clean documentation and practical solutions.

Personal Skills

- **Graphics and Web UI design** using Adobe Photoshop and Illustrator

Languages

- English and Bangla (Bengali)

Education & Certification

2018
- Master of Business Informatics, University of Canberra, Australia

2021-2022
- Structured Query Language (SQL) using SAS
- SAS Viya: Core Topics on Architecture, Installation, Data Management, Administration, Visualization, Programming, and Analytics

2023
- AngularJs Essentials – Coursera

2024
- Critical Thinking & Problem Solving – LinkedIn Learning

2025
- AI-Driven Full-Stack Web Development – Programming Hero
- OpenAi's ChatGPT: New Features for Developers

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Selected Project Experience

Australian Federal Police
2021 – Present

- Provided end-to-end consulting and implementation services, including requirement gathering, analysis, solution design, development, quality checks, testing, knowledge transfer, and project closeout both onsite and remotely.
- Took on senior responsibilities by leading requirement discussions with clients, clarifying scope, documenting detailed functional and technical requirements, and translating them into actionable development tasks.
- Tested features from a developer's perspective, identified gaps early, and suggested practical, scalable technical solutions to improve functionality and user experience.
- Leveraged expertise in deploying and configuring SAS technologies and methodologies to deliver timely, professional, high-quality outcomes.
- Designed, built, tested, and documented new and updated SAS software components based on provided specifications, meeting agreed development, security, and quality standards.
- Developed and configured custom control structures in SAS Visual Investigator — including Subscription Lookup, Page Model Changer, and Integration Toolbar — tailored to specific client requirements.
- Successfully integrated legacy systems with SAS Visual Investigator using RESTful API calls via Swagger, ensuring reliable data exchange and long-term system compatibility.
- Built custom SAS Visual Investigator controls using JavaScript and REST APIs to enhance UI functionality and improve the overall user experience.
- Gained a strong conceptual understanding of customer system architectures and performed administration tasks when required to support project continuity.
- Contributed to detailed technical documentation, including requirements, design specifications, test plans, test cases, test strategy, automation, deployment instructions, administration guides, and user guides.
- Attended client sites regularly, maintained strong working relationships, and acted as the primary point of contact to support and guide clients.
- Prepared SAS Intelligence and Investigation Management (IIM) Detailed Design Documents and High-Level Development Process Documents for AFP by conducting extensive testing and analysis of SAS Visual Investigator.

Australian Electoral Commission (AEC)
2021

- Occupied in duties performed in AEC for undertaking query after BPA form failure, executing Gap analysis, verifying identified failures, and resolving the found issues in **TechnologyOne** AEC environment.
- Engaged to assist AEC to validate and reconcile Project Ledger and General Ledger data.
- Provided support to update and execute stored scripts and modify sourcing document workflows.
- Designed and built ETLs to perform data cleansing of Labour Hire profile values compared to Selection Codes in CiA.

Housing ACT Capital Works Program
2020-2021

- Involved with functional testing of the business process flow, documenting, and communicating issues with team members, suggesting, and implementing solutions according to client requirements.
- Bulk data entry directly into TM1 model of history data; and revision of TM1 reports and Active Forms to better reflect business requirements.
- Engaged in communication with clients, attending client meeting, documenting client requirements, and establishment and maintenance of the Issue Register.
- Developing a communication strategy using web-based Project Collaboration tool to provide continued communications and information throughout the functional testing.

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