SANMEGH THOKDE
15+ years of web application development

https://www.linkedin.com/in/sanmeghthokde
+44 7459 183 795
sanmegh.codes@gmail.com

TECHNICAL STACK

Ways of Working	Project/Product, AGILE Sprints, KANBAN, Waterfall (JIRA/Confluence/Trello)
Architecture	Microservices (Spring Boot Modules), Data-Driven Architecture, AWS, Generative AI
Languages	Java (mainly), Python, HTML, JavaScript
Frameworks	Spring/Guice, AngularJS/ReactJS, JSF/Primefaces
Technologies	AWS, JPA/Hibernate, NoSQL/MongoDB/DynamoDB, SQL/PLSQL
Tools	Splunk/Kibana, GitLab/Bitbucket, Jenkins/Web & App Servers, Maven/Gradle

SUMMARY

I have worked for over 15 years in the world of Enterprise Web Applications. With a strong technical background and a proven track record of diving into new territories, taking initiative, improving performance, and leading teams.
I have extensive experience in large multi-vendor environments, including Best Buy US, Home Office UK, NHS Digital UK.

My most significant experiences include:

- Engaging in extracurricular pet projects to learn new technologies, including web, desktop, and mobile applications, which can be found at https://sanmegh.com/apps. (List of apps on page 3)

- Proactively addressing technical debt, enhancing code maintainability, and improving product performance, security and stability.

- Playing a crucial role in the entire development process, from discussing requirements with Business Analysts to planning roadmaps with Product Owners, designing technical architecture and developing modules, testing, and gathering customer feedback.

- Assuming leadership roles, including conducting inter-company training, mentoring resources, and managing teams and sprint deliveries in the absence of a scrum master or product owner.

- Consistently going out of the way to understand requirements by having meetings with the stakeholders and business teams, providing L1 and L2 support, conducting release demos to customers who have widely appreciated it.

- Handling end-to-end product ownership, including architectural designs and researching optimal technical stacks.

- Coordinating with UX teams, conducting product release demos, and acting as a product consultant across vendors.

ACHIEVEMENTS

→ Google Cloud Generative AI Certified
→ Member of Mastek Prism Club, recognized for being a top performer at Mastek
→ Member of the Mastek Tech-Cell committee created for innovation of new frameworks and libraries used across company projects
→ Fastest promotion in the company in the Home Office project
→ Recognition and appreciations from various clients and customer for coming up with the best technical solutions to save efforts and money
→ Various awards and performance-showcasing certificates through the years

WORK EXPERIENCE

Best Buy Health US [Current Health UK] **Jan 2022 – Current** As part of Best Buy Health, Current Health provides a unique solution for healthcare organisations, combining technology and clinical expertise with medical care at home. **Role: Senior Software Engineer II** Responsible for designing and developing end-to-end cross-platform microservices for new clients and devices, handling various patient vital data (e.g., SPO2, Weight, Blood Pressure, Tissue Glucose)	Java 17 AngularJS 15 AWS (S3, SQS, DLQ, Terraform) Datadog (Monitoring & Alerting) Snyk, Sonar, Nexus
NHS Digital (NHS Login Service) [Mastek UK] **Sep 2019 – Dec 2021** NHS login is an OIDC-based login system that provides authentication and authorization services for health systems for clients like NHSApp, Emis Health, eRedbook. **Role: Fullstack Developer** Developed and delivered functionalities in continuous sprints and provided L2 support for NHS login, an OIDC-based system for authentication and authorization. Learnt a lot of technologies on-job and interacted with various vendors, stakeholders, security teams, product owners, and business analysts.	Java 11 Python 3.8 AngularJS 2 AWS (Lambdas, Cognito, S3, DynamoDB, API Gateway, EC2, Code-Pipeline, CloudFormation)
Home Office (Atlas Configuration Tool) [Mastek UK] **Mar 2018 – Aug 2019** ACT is a standalone tool that provides a user-friendly UI to configure the data-driven Case-Working system, which allows Drag & Drop form-building capabilities, thus reducing the actual development effort for adding features to the system. The tool is such that the BAs can directly design the pages and the tool will internally create a testable configuration for the development teams with almost no UI efforts. **Role: Product Lead** Co-designed and led a team in an AGILE environment, delivering a high-performance standalone tool for configuring the entire project. The tool allowed Business Analysts to directly design pages, generating testable configurations with minimal UI effort.	Java 8, Spring Boot Spring REST Spring Data/JPA/Hibernate
Home Office (HO Case-Working System) [Mastek UK] **Feb 2016 – Feb 2018** Worked on an architecture based on a microservices framework with a data-driven architecture. Form-related data was stored in the database and configurable, allowing content updates via Liquibase scripts without requiring a full application release, significantly reducing delivery times. **Role: Senior Software Engineer** Worked in an extremely competitive work culture with various vendors and clients, to gain more bids and projects for the company using POCs to meet the requirements of stakeholders, while developing and rolling out highly intensive and time-critical features for the ongoing work.	Java 8, Spring/Guice JPA/Hibernate/Postgres Liquibase Scripts REST Web Services Mustache Templates
Kameleon (Mastek's Patented Product) [Mastek India] **Apr 2012 – Jan 2016** Kameleon is Mastek's patented data privacy and security product that provides a wide range of ways to protect data through anonymization / pseudonymization with 128/256-bit encryption supported. Data could reside in any customer database, or files such as XML/JSON/CSV/Excel or could even be intercepted during transmission. It reduces test data management efforts from weeks to minutes/hours. **Role: Software Engineer** Developed Mastek's data privacy and security product, Kameleon, which provided data protection through anonymization/pseudonymization with 128/256-bit encryption. The product could handle data from various sources like databases, XML/JSON/CSV/Excel files, and intercepted transmissions, reducing data management efforts from weeks to minutes/hours.	Java 7, Spring JDBC/Hibernate/Oracle JSF/Primefaces Cron Multi-Threading XML/Apache POI JSwing

PERSONAL PROJECTS

Smart Home Assistant (2024) - https://sanmegh.com/apps/smart-home An integration of various IoT devices to make dumb appliances smart and smart devices smarter, with a variety of home automations that increase everyday time efficiency, energy savings, and laziness. Using a Home Assistant server setup on a Raspberry Pi module, this project provides a ton of features for your convenience to make your life more luxurious. Automations in the true sense, where you don't have to rely on triggering them from a phone app or specific voice commands, and without relying on a particular company's ecosystem of products for the seamless integrations. The entire house works securely without using the internet, and voice commands that work over the internet don't have to be exactly as defined by Alexa/Google/HomeKit, because the commands are integrated with Cloud LLM and thus, understand natural language.	IoT and AI Gemini & ChatGPT LLM Home Assistant REST Matter/Zigbee Protocol Python/YAML
Bankie (2021) - https://sanmegh.com/apps/bankie A web application that lets you browse bank exports in a user-friendly manner, with filters and categorization, to better manage your expenses and savings.	React JS Chart JS
Dieter (2020) - https://sanmegh.com/apps/dieter A mobile app for managing daily meals based on ingredients in the kitchen.Based on the grocery items, it creates and logs the meals to calculate the nutrition value of each meal and track the daily nutrition and calories intake.	Angular JS Ionic Firebase Tesco Developer API
DriveMan (2018) - https://sanmegh.com/apps/driveman A desktop server application that scans unorganised drive data, with a client that provides a user-friendly mobile app to browse the content. The application categorizes content into Movies, TV Shows, Music, E-books, Photos, using numerous APIs & libraries to recognize its metadata and provides filters and categorization. This provides a very clean and browsable API for files, without having to manually rename them and clean them up. AI is used for searching with random keywords when the user does not remember what they want to see, so relative movies show up in the results if the user types in a brief plot summary in the search bar.	Spring Boot/Spring Data Angular JS MongoDB/H2 Python (w. Tkinter)

OUTSIDE WORK

In his free time, Sanmegh enjoys movies and travelling. He has often boosted team-bonding by organizing movie nights and weekend trips with teammates. His passions also include writing, traveling, film-making and photography.