



JOE TILSED

LEAD SOFTWARE ENGINEER

PROFILE

Helping lead the way with GenAI LLMs, Python APIs, Software Development Lifecycle Standards, Cloud Adoption, Automation, Continuous Integration and Delivery, Test Driven Development and other Modern Engineering Practices, just to name a few.

CONTACT

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JOE@TILSED.COM

JOETILSED.COM

SKILLS

SOFTWARE DEVELOPMENT LIFECYCLE



PYTHON REST APIs



GENAI LLMs AND AI PROMPT ENGINEERING



CLOUD COMPUTING



WORK EXPERIENCE

LEAD SOFTWARE ENGINEER @ SS&C | BLUEPRISM
R&D Innovation | June 2022 – Current

Designed and built the LLM Connector API, which every GenAI interaction for all clients goes through. Created end-to-end the Meeting Minutes Generator that produces: attendance logs; action items; meeting minutes; along with other items based on any given meeting's transcript, without knowing the context of what the meeting is about or what the people in a meeting do.

Modernizing legacy product architecture and procedures. Defined and built how Remote Digital Workers communicate from off to on-prem, using REST APIs and RabbitMQ for an event-based architecture.

SENIOR SOFTWARE ENGINEER @ J.P. MORGAN CHASE
VSI-Power | September 2016 – June 2022

Automation of "pave" and "repave" for high-performance compute, in a production environment. Designed and implemented the first automated Python E2E Software Development Lifecycle. Wrote the strategic Python authentication package used globally.

MANAGING DIRECTOR @ TILSED.COM
Founder | December 2013 – September 2016

Specialising in blogs, e-commerce and SEO, helping grow client's ideas into international companies.

EDUCATION

DIGITAL AND TECHNOLOGY SOLUTIONS @ BPP UNIVERSITY
First Class Honours (BSc)

Agile Development, Business and Big Data, Business and Information Systems, Cloud Computing, Computer Network Technologies, Database Management, Information Systems Security and Risk Management, Legal Aspects of Information Technology, Marketing Principles, Maths for Computing, Mobile Engineering (iOS Swift), Object Oriented Programming (Java), Professional Practice, Project Management, Software Testing, System Analysis and Design and Web Application Development.

ABOUT ME

I have a deep knowledge of design, analytics, development, coding, testing and application programming. Specialized in GenAI LLMs, AI Prompt Engineering, and Python REST APIs. With an exceptional understanding of CI/CD (Continuous Integration and Continuous Delivery) tools such as Jenkins, and how to utilize them correctly. A great depth of knowledge of how to implement front-end, back-end and middleware technologies in enterprise environments.

Experienced in various legacy and modern technology domains and practices, giving me an insight into how to improve old systems, and how to create new solutions to last decades. I can solve extremely complex, mission-critical problems, in high-pressure situations in a timely manner, while still being able to share my strategic direction and understanding with others clearly.

Over the last few years working with GenAI (Generative Artificial Intelligence) and Large Language Models (LLMs), I have brought a unique blend of technical expertise and innovation to the table. Throughout my career, I have led teams in developing robust and scalable software solutions that have significantly positively impacted business operations and user experiences.