

Sualeh Fatehi

sualeh@hotmail.com • <https://sualeh.github.io>

I lead and guide teams through adapting and embracing complex changes such as moving from monolithic to cloud-based microservices architecture. I have built cross-functional software development groups across the US, Europe, and India. I am adept at using my technical expertise to design and architect solutions with a customer focus, such as making local currency payment methods available to shoppers around the world. I am passionate about open-source and innovation and am the author of popular open-source projects.

Consultant

Feb 2024 – Present

- Consult in database design and software development.

Senior Software Engineering Manager, Wiser Solutions

Nov 2022 – Jan 2024

Online Brand Execution

- Led multiple engineering teams responsible for Wiser's Online Brand Execution Suite in developing and delivering projects in alignment with the product roadmap. About 25 developers located in France, USA, and India.
- Guided architects and Principal Engineers to devise optimal solutions for the Suite. Technologies used include React and node.js, PostgreSQL and MongoDB and NATS.
- Participated in strategic planning and design sessions with Product Management, Engineering Management, Architects, and Operations.
- Led the Quality Guild, the first guild in the company, which is focused on quality practices, and gives guidance on best practices.

Director of Software Development, FIS

Nov 2020 – Nov 2022

Head of engineering for FIS' alternate payments platform

- Led the engineering team responsible for FIS' non-card alternate payments platform in planning for and delivering product releases. This includes Buy Now Pay Later (BNPL) and cryptocurrency payment methods.
- Functionally led agile development teams of about 200 developers located in Romania, UK, and India. Technologies used include Java, Spring Boot, PostgreSQL, and Kafka.
- Launched a new development department in India, including recruiting and hiring staff, instilling cultural values, and instituting processes and governance routines.
- Drove decision-making processes to consensus and ensured that steps are taken to actual implementation of product roadmap.
- Participated in strategic planning and design sessions with Product Management, Engineering Management, Architects, and Operations.
- Was a change agent for improving processes both local to the team and more broadly across the organization.

Senior Software Engineering Manager, FIS

Jan 2016 - Oct 2020

- Designed and led the first AWS project in the department, migrating a monolithic application to the cloud.
- Managed multiple engineering scrum teams, including QA engineers, through the entire software development lifecycle, using agile practices.

Software Engineering Manager, Vantiv (acquired by FIS)

Jan 2012 - Dec 2015

- Led the team to successful implementation of business enhancements mandated by Visa, MasterCard, Discover and other card networks, on their scheduled date, and within cost.
- Managed a team of 8 engineers through the entire software development lifecycle, using agile practices.
- Managed merchant communications with the customer relationship department.

Principal Software Engineer, Litle & Co. (acquired by FIS)

Jun 2010 - Dec 2011

- Designed and implemented credit card services to enable merchants to reduce costs on credit card transactions.

Staff Software Engineer, Vestmark, Inc.

Dec 2004 - Jul 2010

- Designed and implemented the Report Writer, which allows reports to be defined easily by a business user and generates SQL and formats the output into Excel or PDF. The Report Writer was the main selling point of Vestmark.

Staff Software Engineer, Vignette Corp (now Open Text)

Dec 2000 - Dec 2004

- Technical Lead of Content Analysis Services, the analysis and reporting tool for providing business intelligence about Vignette's content management system.
- Coordinated integration with other product development teams across geographical locations, including the US and India.

Software Engineer, DataSage (now Open Text)

Dec 1998 - Dec 2000

- Developed the front-end for an OLAP enabled business intelligence application.
- Started Vignette's offshore engineering effort. Worked abroad to train the offshore team for an extended period.

Adjunct Professor, UNH Manchester

Jul 2022 - Present

- Teach a graduate course in Computer Science using Python. Cover practical programming as well as data structures and algorithms.

Creator of Open-Source Project, SchemaCrawler

<https://www.schemacrawler.com>

Dec 2001 - Present

- Created a popular open-source project for discovery and visualization of database structure.
- SchemaCrawler is recommended by the Google Cloud Architecture Center as an analysis tool for migrating databases.
- SchemaCrawler forms the basis of other software products such as Obevo from Goldman Sachs, SQLDelight from Square (Block), Streamliner from phData and others.
- SchemaCrawler is used for database visualization by Google Nomulus, Atlassian Jira and others.