

Sahil Patel

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Website: <https://sahil-portfolio-ak4m.vercel.app/index.html>

Summary

Full-stack engineer experienced in enterprise systems, building and maintaining applications using Angular, React, Spring Boot, and CI/CD pipelines. Recognized for modernizing legacy codebases, improving end-to-end workflows, and delivering maintainable solutions. Actively focused on learning design patterns, clean architecture, and scalable system design.

Technical Skills

Advanced: Angular, Java 17 (Spring Boot 3), Jenkins, GitHub Actions, Git, React, SQL, Oracle (RDS), MongoDB, Redis (NoSQL), Dbeaver, Node.js, Python, MATLAB, PCF (Pivotal Cloud Foundry), CBF (CloudBees Flow), ReadyAPI, JUnit, Jmeter, Playwright, Swagger, ActiveMQ

Certifications: AWS Cloud Practitioner Foundational Certification, AWS Cloud Quest: Cloud Practitioner

Beginner: C++, AWS (e.g. AWS Sagemaker), Docker

Other: Object Oriented Programming (OOP). Microsoft Office, Excel, Azure Functions, Azure Static Web Apps, Shell Scripts

Work Experience

Full Stack Developer | May 2024 – Now

Cook Systems (Deployed full time at FedEx) | US, Remote

- Developed reusable front-end components and implemented dynamic forms, reducing form creation workload by approximately 40% while ensuring consistency and maintainability across applications.
- Created a shared component library, eliminating code duplication, enabling cross-application reuse
- Managed 15+ enterprise applications across front-end and back-end, recognized as a subject matter expert (SME) for front-end development and best practices.
- Upgraded multiple applications from Angular 10 to 16, replacing deprecated components with enterprise-standard Angular components, maintaining compatibility and consistent styling that meets enterprise standards.
- Maintained and optimized multiple CI/CD pipelines using GitHub Actions, CloudBees Flow (CBF), Jenkins, Pivotal Cloud Foundry (PCF), Splunk, and Azure Key Vault, improving deployment reliability and efficiency.
- Onboarded and mentored new team members, resolving blockers and reviewing code to ensure consistent, high-quality delivery.
- Delivered demos and presentations to large audiences, including senior stakeholders, effectively communicating complex features and driving informed business decisions.
- Authored comprehensive application documentation, enhancing team knowledge transfer, onboarding efficiency, and long-term maintainability.
- Improved development efficiency by 15% through applying prompt engineering best practices with AI-assisted tools.

Data Science Micro-Internship | Aug 2023 – Aug 2023

Reply | London, UK

- Built sales forecasting models using LightGBM and Facebook Prophet within AWS SageMaker, performing exploratory data analysis to guide model selection and improve predictions.
 - Gained hands-on experience with Generative AI and LLMs by developing a document-based question-answering chatbot using Hugging Face pipelines, Flan-T5, LangChain, and prompt engineering.
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Education

University Of Bristol | Sept 2018 – Sept 2022

Mechanical and Electrical Engineering (MEng), 2.1 (equivalent to 3.3-3.7GPA)

Relevant Modules: Python Programming, Robotics UG, Bio-Inspired Artificial Intelligence, Control Systems, Robotics and Control, Engineering Mathematics