William Pattison

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Skills

- JavaScript | Python3 | TypeScript | Java | React | React Native | Angular | ExpressJS | AWS | GCP | CI/CD | GitHub
- DynamoDB | PostgreSQL | MongoDB | API Gateway | GitHub Actions

Experience

Software Engineer	**Tata Consultancy Services (Eli Lilly & Company Contractor)**	**04/2023 - Current**

Indianapolis, IN, USA

- Led development of a project enabling multi-lingual support for customer search application.
- Led development of a data pipeline that processed, stored, and shared user consent data with third parties.
- Led development to redesign error handling logic for profile and data ingestion processes, significantly reducing ticket volume.
- Co-led backend development of ETL pipeline integration that processes email analytics and distributes patient profile data to third-party companies.
- Leveraged automation to generate weekly business reports, tracking users who have opted out of communications from Lilly's Preference Center using Python3 and AWS.
- Handled E2E testing and wrote manual test scripts spanning coverage for all components in various integrations.
- Developed SNS and SQS infrastructure to decouple downstream integrations, improving system scalability and reducing latency.
- Python3, Next.js, React.js, CloudFormation, CI/CD, Boto3, AWS Athena, Lambda, Glue, S3, DynamoDB, Pandas

DevOps Engineer	**Tata Consultancy Services (Hudson Bay Contractor)**	**01/2022 - 04/2023**

Remote

- Maintained ASP.NET codebase that tracks associate performance for the Saks Fifth Avenue retail store.
- Conducted data cross-referencing using MSSQL 2008 providing specific datasets to internal Saks Fifth employees.
- Obtained **Associate Cloud Engineer Certificate** for Google Cloud Platform as an associate.
- ASP.NET, C#, MSSQL 2008, GitHub, SQL Server, BlueZone mainframe

Education

Bachelor of Science	**Illinois State University**	*Normal, IL, USA*	**08/2017 - 08/2021**

- Major in Computer Science

Projects

- **Creator and owner** of https://indyfaithandworkforum.org – A website that hosts monthly seminars that has **over 200+ registered attendees**. The forum includes an **admin dashboard** for modifying and updating all site content, email portal to reach out to subscribers, and event scheduler (S3, Route 53, DynamoDB, Python3, React, SendGrid SDK, CloudFront, API Gateway).

- **Creator and owner** of https://devstreamer.pro – An interactive live coding zoom-like platform for software engineering technical interviews. This site uses video chatting, live **code editing, submissions, direct messaging, and file sharing** (VideoSDK, Judge0, API Gateway, Lambda, Material UI).

- **Creator and owner** of https://game-of-life.website – A frontend website built to simulate, edit, and visualize John Conway's famous **cellular automaton** (S3, Route 53, React.js, CloudFront, Material UI).