SEAN WOTHERSPOON

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WORK EXPERIENCE

Data & Software Engineer Co-op   **January 2025 – Present**
Samsung R&D   *Vancouver, BC*

- **Designed, implemented, and deployed** privacy data pipelines using **Airflow & Spark**, generating raw and enriched tables for **GDPR, CDPA, CCPA,** and other global privacy metrics
- **Delivered** a production **conformed data pipeline** supporting Samsung Health's large-scale datasets, improving cross-domain consistency and reliability
- **Developed** data generators for **133+ tables** to simulate production workloads and validate ETL transformations in development
- **Authored and maintained** multiple production DAGs and introduced **Scala code-quality improvements** to enhance pipeline maintainability

Founder & Full-Stack Engineer   **March 2025 – Present**
Mealpository | mealpository.com   *Port Coquitlam, BC*

- **Designed and developed** an AI-powered meal planning platform using **Angular, Django REST API, and AWS Fargate / CloudFront / RDS / S3**
- **Implemented** OCR-based recipe scanning with **Google Vision API** and **Groq / Llama-3.3-70B** for automated recipe parsing
- **Built and deployed** Terraform infrastructure modules (ALB, WAF, ECS Services, CloudWatch Alerts) for production scalability and security
- **Integrated** user authentication with JWT tokens and role-based access control; led UI/UX iteration for responsive web design

Director of Technology   **October 2024 – Present**
SFU Open Source Development Club   *Burnaby, BC*

- **Recruited and mentored** coordinators, implementing an onboarding process that improved **team readiness** and project ownership
- **Guided** project leads with **technical best practices** and oversaw documentation efforts to enhance collaboration and delivery quality

PROJECTS

MCBA League — mcba-league.com | *React, TypeScript, Supabase, PostgreSQL, TailwindCSS*   **October 2025**

- **Designed, built, and deployed** a full-stack basketball league platform used by live admins to manage schedules, player stats, and standings
- **Implemented SQL views and data flows** in **Supabase/PostgreSQL** to power analytics for player averages, team rankings, and box scores
- **Developed** a responsive, branded interface with **React** and **TailwindCSS**, and automated deployment through **GitHub Pages CI/CD workflows**

EDUCATION

Simon Fraser University   **September 2021 – April 2027**
Bachelor of Science, Computing Science   *Burnaby, BC*

- **Relevant Coursework:** Data Structures & Algorithms, Data Science, Software Development Practices, Database Systems, Web Development, Computer Architecture, Computer Networking

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (Amazon Web Services)

TECHNICAL SKILLS

Languages: Python, Java, Scala, TypeScript, JavaScript, SQL

Frameworks & Libraries: React, Angular, Django, Next.js, TailwindCSS

Tools & Technologies: AWS, Spark, Airflow, Docker, Git, Linux, PostgreSQL, Terraform

Other Technologies: Google Vision API (OCR), Large Language Model Integration (Groq / Llama-3.3-70B)