RYAN LE PHAM

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Education

York University   **Sep. 2021 – April. 2025**
Bachelor of Science in Computer Science Honours   *Toronto, Ontario*

Amazon   **January 2025**
AWS Certified Solutions Architect — Associate | Link   *Toronto, Ontario*

Experience

Explorer Hop   **April 2021 – August 2021**
Software Engineer   *Toronto, Ontario*
- Debugged applications with **Python Selenium**, optimizing performance and reliability.
- Developed web solutions with **Angular**, **React** and **Java Springboot**, enhancing client interaction.
- Automated **HTML/CSS** email campaigns, increasing efficiency by 50% and saving 20 hours per week.
- Utilized **Jira** and **Git** for project management and version control, boosting team productivity with a **Scrum** workflow.

Mayfair Clubs West   **October 2018 – Present**
Aquatics Instructor / Assistant Manager   *Toronto, Ontario*
- Conduct trainings to mentor peers, enhancing teaching methods and team cohesion.
- Supervise 10+ instructors, standardizing lesson plans for consistent teaching quality and student progress.
- Improved teaching strategies led to record-breaking registrations and measurable progress through enhanced feedback.

Projects

Full Stack Airbnb Clone | *Angular, Typescript, Java Spring Boot, PostgreSQL, Docker, AWS*   **August 2024**
https://github.com/phammings/Airbnb-Clone | Link

- Developed Airbnb Clone for traveler reservations and landlord property management with **Angular** and **Typescript**.
- Utilized **Auth0** for user authorization and **PostgreSQL** for database management through **Java Spring Boot**.
- Deployed a **Dockerized** application on **AWS EC2** with **CI/CD** pipelines self-hosted through **Coolify**.
- Designed instance scheduler with **AWS Lambda** and **CloudWatch** to reduce monthly costs by 50%.

Finance Tracker SaaS | *React JS, Typescript, Next.js, PostgreSQL, Plaid, LemonSqueezy*   **July 2024**
https://github.com/phammings/Finance-Tracker-SaaS | Link

- Developed a finance tracker **SaaS** with an interactive dashboard using **Next.js**, **React**, and **TailwindCSS**.
- Utilized **Neon** for serverless **PostgreSQL** database management and **Drizzle ORM** for database migrations.
- Implemented CSV transaction imports for easy data integration and user authentication/management with **Clerk**.
- Integrated premium plan subscription management through **LemonSqueezy** and enabled bank connectivity with **Plaid**.

AWS Cloud Resume | *React JS, AWS, Terraform, GitHub*   **June 2024**
https://github.com/phammings/cloud-portfolio | Link

- Configured **S3** for **React** site and **CloudFront** for content delivery with HTTPS from **AWS Certificate Manager**.
- Built API for visitor counter with **AWS API Gateway** and **Lambda**, leveraging **DynamoDB** for data storage.
- Configured and pointed a custom DNS domain name to **CloudFront** distribution using **Route53**.
- Organized **CI/CD** pipelines with **GitHub Actions** and managed **IaC** using **Terraform**.

Technical Skills

Languages: Java, C, Python, JavaScript/HTML/CSS, Typescript, SQL, NoSQL, GraphQL, Shell Script
Frameworks: React.js, AngularJS, Tailwind CSS, Java Spring Boot
Databases: MongoDB, PostgreSQL, MySQL, Firebase, Supabase
DevOps: AWS, Terraform, Docker
Tools: Linux, Git, Jira, Figma