

Seungjae Baek

Junior Developer | Full-Stack & Networking Systems

Phone: (778) 697-0449

Portfolio: sjbportfolio.com

Email: sbj7788@gmail.com

GitHub: github.com/SJB7788

LinkedIn: linkedin.com/in/seungjae-baek/

Experience

Full Stack Developer & Infrastructure Engineer

Jan 2026 – Mar 2026

BCIT Retirees Association

- Identified and pitched a cost-reduction strategy to stakeholders, proposing an on-premises server migration from AWS
- Migrated MySQL database and application services from AWS RDS/EC2 to a self-hosted local server, reducing cloud costs by 95%
- Configured Cloudflare Tunnels to securely expose the local server to the internet without a static IP
- Transferred domain registration to Cloudflare, consolidating DNS management and eliminating AWS Route 53 costs

Full Stack Developer (Practicum)

Sept 2024 – Dec 2024

BCIT Retirees Association

- Collaborated with BCITRA stakeholders to convert a legacy desktop system into a full stack production web application
- Delivered on time in a 6-week project window, aligning with client expectations and technical requirements through bi-weekly Zoom meetings
- Built and deployed scalable backend services using Node.js and MySQL (AWS RDS), and managed deployment using AWS EC2 and Nginx reverse proxy
- Led UI/UX development using HTML, CSS, and JavaScript under Agile sprint cycles

Projects

AethersJournal

Apr 2025 – Mar 2026

<https://github.com/SJB7788/AethersJournal> | .NET, Blazor, ASP.NET Core, PostgreSQL, Docker, Azure, Gemini API

- Integrated AI-assisted reflection features using Google Gemini API to generate summaries and guided reflective questions
- Implemented persistent storage using PostgreSQL with Entity Framework Core and migrations
- Implemented user authentication and authorization using ASP.NET Core Identity
- Automated deployment to Azure using GitHub Actions CI/CD pipeline

Praxis

Sept 2025 – Dec 2025

<https://github.com/KagaSumi/Praxis> | Next.js, Tailwind, Node.js, Express, MySQL, Docker

- Collaborated in a three-person team to containerize and deploy a microservice architecture using Docker for local and production environments
- Built a Next.js frontend consuming a Node.js/Express backend through a Nginx reverse-proxy gateway, integrating Google Gemini API for AI-powered question answering

Education

Bachelor of Science, Applied Computer Science (Network Security Applications Development)

British Columbia Institute of Technology (2025 September – 2028 December)

Diploma, Computer Systems Technology

British Columbia Institute of Technology (2023 January – 2024 December)

Skills

Frontend: Next.js, Blazor (.NET), HTML5, CSS3, Tailwind

Backend: Node.js, Express, ASP.NET Core, REST API Development

Languages: JavaScript, TypeScript, C, C#, SQL, Python, Java, Go

DevOps & Infrastructure: Linux, Docker, Git, GitHub Actions, Nginx, Cloud Deployment (AWS, Azure)