Seungjae Baek

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Portfolio: https://sjbportfolio.com
GitHub: https://github.com/SJB7788

Skills

- **Frontend:** React.js, JavaScript, TypeScript, .NET Blazor, HTML5, CSS3, Responsive Design

- **Backend:** Node.js, Express, ASP.NET Core, C#, Python (FastAPI basics), REST API Development

  DevOps & Infrastructure: Linux server hosting, Nginx/Caddy reverse proxy, Docker, Git, CI/CD basics, GitHub Actions

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

- **Database:** MongoDB, SQL, MySQL, PostgreSQL

- **Other:** Agile Development, Unit Testing, Microservices Architecture, Cloud Deployment (AWS, Azure, GCP)

Education

British Columbia Institute of Technology
2023 January – 2024 December
Computer Systems Technology, Diploma

Projects

BCITRA Connect
Node.js, Express, HTML, CSS, JavaScript, MySQL (AWS RDS), AWS EC2, Nginx

- Collaborated with BCIT Retirees Association to convert a legacy desktop app into a production-grade web application
- Contributed significantly to frontend and backend development under tight 6-week delivery timeline
- Managed server deployment on AWS EC2, configuring Nginx reverse proxy and integrating RDS-based MySQL database
- Gained hands-on experience in AWS hosting and full-stack delivery under real-world client expectations

ArtificialGains
https://youtu.be/2NQdpDmuq1E | React.js, Node.js, Express, MongoDB, Python, Docker

- Developed a full-stack AI-powered fitness and diet app using OpenAI's GPT API for content generation and training insights
- Built frontend in React.js with TypeScript
- Integrated backend logic in Node.js and Python, used Python for data classification and processing tasks
- Designed mock-ups in Photoshop, iterated UX via peer feedback
- Containerized and deployed using Docker

AethersJournal
ASP.NET Core, Razor Pages, WebAPI, Microservices, Azure

- Designed communication flow between microservices and implemented journaling features powered by an GPTAPI
- Developed secure, scalable backend using ASP.NET WebAPI and MongoDB, deployed via Microsoft Azure
- Used Figma for UI prototyping

SnowScraper
https://snowscraper-7b189.web.app | HTML, CSS, JavaScript, Python, Selenium, Docker, Google Cloud Run, Firebase

- Collaborated in a team of 3 to build a web app that scrapes and compares prices of winter products across multiple e-commerce platforms
- Built web app that scrapes winter gear pricing data from multiple online stores using Selenium and Python
- Containerized Python script with Docker and deployed via Google Cloud Run