

# Matthew Schlachter

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## Relevant Experience

### Software Developer III

Oct 2021 – Oct 2024

#### VIA Science

- Improved deployment times by 70% through automating CI/CD deployment pipelines in security-sensitive environments (Terraform/Terragrunt, Helm, Ansible, AWS + GovCloud, Kubernetes, Docker)
- Resolved complex deployment issues related to configuration, caching, networking, and authentication (Terraform, AWS + GovCloud, Kubernetes, Docker, Ubuntu Linux)
- Presented a series of five PostgreSQL tutorials to data scientists, improving global query performance by over 90% (PostgreSQL, PL/SQL, advanced SQL indexes, SQL query profiling)
- Mentored team members to support their technical and career development through personalized training sessions, code reviews, and pair programming
- Delivered key features to clients through designing, developing, and maintaining data collection and data aggregation APIs (Python, FastAPI, Django, SQL)
- Independently implemented a new unified authentication flow to the frontend and backend of existing systems with no interruption to user experience (Keycloak, OIDC/SSO)
- Frequently resolved complex bugs in a legacy third-party data visualization system with strict downtime constraints (Tableau, Java, Linux)

### Full Stack Developer

Mar 2019 – Oct 2021

#### Monster Strategic Talent Solutions (formerly The Foundry by Monster)

- Improved uptime and security by automating website deployments (AWS/AMS, Docker, GitHub Hooks + Actions)
- Managed server architecture for websites with over 40,000 monthly visitors each (Ubuntu Linux + Apache/NGINX, Amazon AWS/AMS, MySQL, Bash shell scripting)
- Designed and developed a modular job management and career site platform, enabling clients to manage and display job listings (PHP, Laravel, SQL, HTML, CSS, jQuery, Bootstrap)
- Built and maintained microservices to pull job posting data from 20-30 third-party APIs and to scrape job posting data from 15-20 client job boards (PHP, SQL, JSON, XML, HTML)
- Ensured optimal user experience by advocating for compliance with accessibility best practices (WCAG 2.1, ARIA)
- Accelerated product development through onboarding and training local and overseas employees

### Full Stack and Mobile Developer

Nov 2017 – Feb 2019

#### Solutions Beeye Inc

- Updated and maintained a large online project management system in a fast-paced startup environment (C#, .NET, SQL, TypeScript, jQuery)
- Independently developed the organization's first mobile app, enabling clients to track task progress in real-time (Android/Java, iOS/Swift)

## Education

### Diploma of College Studies – Computer Science Technology (DEC)

2015

#### Cégep Heritage College – Gatineau, QC

- Consistently made the honour roll and served as the computer science student representative
- Reverse-engineered and recreated a complex conditional algorithm that computes teacher workloads for an online system that reduces costs through efficient teacher allocation (PL/SQL, Java)