

## Senior Backend Engineer

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## Profile Summary

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- Seasoned **Senior Backend Engineer** with a wealth of experience delivering complex solutions including multilingual websites and third-party integrations within fast-paced environments.
- Extensive technical skill set, with mastery in **Drupal**, proficiency in **Docker** and **nginx** technologies, with a focus on building performant, scalable and secure solutions.
- Impactful contributions during each phase of the **Software Development Life Cycle**, including requirements analysis, architecture design, implementation, testing, deployment and maintenance.
- Engaged collaborator with strong interpersonal skills and well versed in **Agile** methodologies, able to align **cross-functional stakeholders** with conflicting priorities to drive progress under aggressive time constraints.

## Technical Skills

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**Domain of expertise :** **Drupal**, Git (including developing Git tooling in Go), Linux CLI

**Debugging Tools:** xdebug and gdb

**Languages:** JavaScript, SQL, HTML, CSS, Go, Python

**Frameworks & Libraries:** AJAX, php-parser, Rector

**Databases:** MongoDB, MySQL, Redis

**Cloud & DevOps:** Docker, nginx (ssi, load balancing), Apache

**Marketing Tools:** Marketo, Impartner, Cvent

## Work Experience

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### Smartsheet Inc.

(remote) Bellevue, WA

#### Senior Backend Engineer

Dec. 2015 - Jan. 2025

- Played a pivotal role within the **Software Development Life Cycle**, by architecting and maintaining scalable systems including a multilingual website and robust third-party integrations, and completely rewriting the marketing website of **Smartsheet**, while supporting the growth of the company from **180** employees to a **8.2B** exit.
- Collaborated within a pluridisciplinary team including **Marketing, Localization, Partners, Customer Support, Events**, as well as the **Director of Localization** and the **Global Partner Operations Team**, maintaining a close communication and asking calibrated questions to remove bottlenecks and reach alignment.
- Engaged with partners to understand business use cases, gather **technical requirements**, and extract architectural significance for solution design. Conveyed challenges and opportunities in a clear and concise way, adapting the message to each audience's specific technical literacy.
- Developed and maintained third-party integrations using **Impartner, Cvent, Marketo**, and **Salesforce**, thus ensuring seamless data synchronization across multiple platforms.
- Deployed **green/blue** updates utilizing **Docker** Containers with **Nginx** and **PHP**, ensuring zero customer downtime and optimal system performance.
- Maintained and enhanced the Smartsheet software by implementing periodic updates and optimizations, utilizing **Git** for source code management and **New Relic** and **Kibana** for real-time performance monitoring, ensuring continuous system efficiency without public-facing downtime for years.
- Crafted extremely complex reports within **Drupal**, employing advanced **SQL** features with limited documentation online, evidenced by only two **StackOverflow** questions and **12** web search results, thereby significantly deepening expertise with focused technologies and improving the decision-making process.
- Optimized application performance by profiling and identifying bottlenecks with **New Relic** and **Datadog**, and implementing changes that improved response times, thereby increasing customer satisfaction and engagement.

- Strengthened platform security by configuring internal access controls within Drupal and collaborating with the **Drupal Security Team** on resolving vulnerabilities we found, ensuring robust protection against unauthorized changes and consistently achieving favorable outcomes in department-led vulnerability assessments.
- Delivered **technical presentations** to the team, successfully translating stakeholder needs into actionable requirements, and maintained high engagement by asking calibrated questions, to ensure alignment and optimize delivery outcomes.

## MongoDB Inc

(remote) New York, NY

### Drupal Evangelist

May 2012 - Apr. 2015

- Integrated **MongoDB** with **Drupal** to significantly boost **MongoDB's** indexing capabilities, meeting **Drupal's** specific requirements and enabling its use within the **Drupal** framework, as endorsed by the **CTO**.
- Evaluated solutions by deploying suites of tests including unit tests, integration tests, and end-to-end tests using frameworks such as **Selenium** and **PHPUnit**, to achieve targeted code coverage.

## Tag1 Consulting

(remote) St. Petersburg, FL

### Performance/ Edge Case Engineer

Sep. 2011 - May 2015

- Contributed to the technical effort by architecting and implementing critical systems including a video selling website and an employee rating backend, utilizing **Nginx SSI**.
- Constructed a video selling platform for a **UK TV Channel**, optimizing functionality with **Nginx SSI** under strict time and hardware limitations, and incorporating caching mechanisms and load balancing strategies to ensure a seamless video distribution experience, thus reducing server load significantly.
- Created very complex reporting queries for a new **Drupal** site, improving the efficiency and speed of data retrieval for a **Fortune 500** company.
- Engineered solutions for performance problems by analyzing system bottlenecks, optimizing workflow processes, and revising performance metrics, thereby improving operational efficiency.
- Designed and configured Continuous Integration/Continuous Deployment pipelines using **Jenkins** and **Docker** to automate builds and deployments, reducing deployment times significantly and increasing deployment frequency, while ensuring reliability with automated testing stages employing **Selenium** and **PHPUnit**.
- Assessed and improved code quality across numerous projects in adherence to coding standards, establishing coding standards and conducting thorough peer reviews, reducing bug rates and improving maintainability.

## Examiner Inc

(remote) Denver, CO

### Senior Backend Engineer

Sep. 2009 - May 2011

- Developed and launched a Quantcast Top **100** Website, utilizing MongoDB with Drupal in one of the first large-scale deployments of MongoDB, to efficiently handle the demands of an entirely uncacheable site.

## NowPublic

(remote) Vancouver, BC

### Backend Engineer

Dec. 2005 - Sep. 2009

- Maintained one of the first citizen journalism websites and implemented a trend analyzer and visualizer for the Twitter gardenhose, leading to a successful exit for the company.

## Freelancer

(remote) Budapest, Hungary

### Search Engine Marketing Specialist / Web developer

Dec. 2001 - Dec. 2005

- Rebuilt websites for clients for optimal search engine result placement.
- Built a chat application using **AJAX** even before it was called AJAX, which facilitated real-time web communication, improving peak concurrent user capacity.

## Education

**Technical University of Budapest** - Classes in Engineering Informatics

Budapest, Hungary - Sep. 1998 - Jun. 2001

**Eötvös Loránd University** - M.S. in Mathematics Education

Budapest, Hungary - Sep. 1993 - Jun. 2000