

Dimitri Gerasimov

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Professional Experience

DataCare Corporation

Software Engineer

Remote | Full time
October 2017 – July 2024

- Full-Stack Development - Designed and delivered production-ready features across the full stack using PHP, JavaScript, MySQL, HTML, CSS, and Bootstrap within a custom MVC architecture. Supported critical medical case management workflows for 50+ enterprise health-care clients, handling millions of patient records.
- API and EDI Systems – Implemented and maintained RESTful APIs and high-throughput EDI integrations (X12, CSV, XML formats) for secure daily data exchange with external payer systems and care providers. Used Symfony, Doctrine ORM and cron-based automation.
- UI/UX and Workflow Automation – Rebuilt the internal dashboard UI with modern JavaScript, CSS, and HTML, optimizing user workflows and reducing manual operations by 70%. Integrated AJAX for seamless data loading.
- DevOps and Infrastructure – Led zero-downtime MySQL migrations, implemented master-slave replication, and managed Puppet-based infrastructure automation for server configuration and deployment. Handled Shell scripting (bash/zsh) for job automation and diagnostics.
- Testing and QA – Partnered with QA to enforce test-driven development practices, introduced automated PHPUnit tests, and helped implement a structured bug-tracking process integrated into the CI/CD process, resulting in increased system stability and reduced debugging time.
- Security and Compliance – Ensured SOC 2 compliance by scripting automated data redaction for test environments using Shell and PHP. Integrated reporting to flag sensitive data leaks.
- Client Solutions – Collaborated with clients, engineers, and QA teams to gather technical requirements and deliver tailored solutions through iterative Agile-based development. Created feature estimates, technical specifications, and live demos.
- Mentorship and Team Growth – Onboarded and mentored junior engineers in navigating a large PHP/MySQL codebase, proper use of git workflows, and professional client communication. Reduced onboarding time by 50%.

Analytical Mechanics Associates (NASA Ames)

Junior Software Engineer

NASA Ames, CA | Full time
August 2015 – October 2016

- Developed a materials data search website using Python and Django.
- Maintained NASA Aerothermodynamics Branch site using Drupal.
- Built a GUI for 3D modeling tools using Tkinter and worked on XML data integration.

Skills

- PHP, MySQL, Python, JavaScript, HTML, CSS, Doctrine, Symfony, Django
- CI/CD, REST API, EDI integration, Puppet, MVC, git, Shell scripting (bash, zsh)
- Backend architecture, MVC, UI/UX design, DevOps, Enterprise SaaS, Mentorship
- Familiarity with C, Java, Angular
- Fluent in Russian

Education

University of California, Santa Cruz

Bachelor of Science in Computer Engineering

June 2017