

Alex Krusz

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Summary

Software developer with a diverse skillset including creating high-performance distributed services, full-stack web development, an advanced mathematical background, and educational expertise.

Selected Experience

Senior Software Engineer DraftKings 6/2015 – present

- Performed full software development process using agile and kanban workflows – design, ticketing, grooming, coding (including SQL and unit/service/automation tests), code review, testing, and deployment via AWS cloud.
- Maintained and enhanced performance of scalable distributed systems with over a hundred instances handling rapidly spiking load, up to thousands of requests/second.
- Ensured legal compliance by creating robust systems to process millions of dollars of payouts in minutes, dynamically assign restrictions to users, and geolocate users with seamless fallbacks in case of third-party outages.
- Developed and improved “big data”/machine-learning-based services for fraud detection.
- Improved efficiency of customer service and fraud teams by developing user-friendly web tools for batch processing of withdrawals and frequent support actions.

Developer Velir Studios 10/2011 – 5/2015

- Created websites with a focus on data management and visualization for many prestigious nonprofit organizations – including 4 of the world’s top 25.
- Led and participated in code reviews, developer meetings, and wrote for the Velir Blog.
- Performed full-stack development and maintenance from JavaScript to C# to SQL.
- Selected projects/clients: AECF Kids Count Data Center, Nemours Datacenter, PRB World Population Data Sheet, Harvard Public Health, Commonwealth Fund, AARP

Lecturer Michigan State University, 9/2006 – 8/2011 Lansing Community College

Lectured and graded mathematics courses from pre-algebra to calculus, receiving excellent student reviews. Worked in the tutoring center, helping students of all levels understand concepts and solve problems.

Skills

Back-end: C#, SQL, ASP.NET MVC, RabbitMQ (AMQP), NServiceKit, Python, Node, Java, NAnt, IIS
Front-end: JavaScript, jQuery, D3, React, Angular, Backbone, Razor, CSS/SASS, Grunt, Gulp
Tools: Visual Studio, Git, SVN, Atlassian suite (JIRA, Bamboo, BitBucket, Octopus), Nuget, Rake, Amazon Web Services, DataDog, Elk, Jenkins, MATLAB, Mathematica, LaTeX, MS Office

Education

Michigan State University, East Lansing, MI. 2006 – 2009. M.S. in Mathematics.
University of Michigan, Ann Arbor, MI. 2001 – 2005. B.S. in Pure Mathematics.