

Asaduzzaman Pavel, Software Engineer

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SUMMARY

Software Engineer with a decade of experience in building robust, performant, and scalable distributed systems. Proficient in multiple programming languages and frameworks, with a passion for creating innovative software solutions. Strong technical leadership skills with a track record of successfully leading technical projects and collaborating effectively with cross-functional teams.

EXPERIENCE

Self-employed, Freelance Full Stack Developer

Oct, 2022 — Present

- Received positive feedback from clients for my exceptional communication, responsiveness, and commitment to delivering exceptional results.
- Collaborated with clients to determine project scope and requirements, ensuring the timely delivery of high-quality products.
- Provided ongoing maintenance and support for existing clients, ensuring the smooth operation of their systems.

Rise Enterprises RSC Limited, Backend Engineer | Software Engineer

Mar, 2017 — Sep, 2022

- Saved \$40,000 annually by optimizing server and storage usage, resulting in reduced operational costs.
- Developed highly scalable microservices capable of handling hundreds of thousands of requests, optimizing performance and resource utilization.
- Integrated numerous RESTful and WebSocket APIs to aggregate price based on volume, contributing to data-driven decision-making processes.
- Designed and implemented a highly scalable and fault-tolerant distributed system using Go, PostgreSQL, and Redis, achieving 99.99% uptime.
- Orchestrated Docker container clusters using Kubernetes, enabling efficient container management and scalability.
- Implemented a CI/CD pipeline using GitLab CI/CD, reducing deployment time by 80%.

Eleven Digital, Inc., Full Stack Engineer

Jun, 2016 — Feb, 2017

- Developed a hybrid ticketing platform for live events, achieving a significant user base with 100,000 views and 2,500 downloads in the first week.
- Designed and implemented an Ad-tech platform, contributing to innovative advertising solutions for clients.
- Created several prototypes for mobile and web applications, exploring new technologies and user experiences.
- Collaborated with cross-functional teams to develop and implement new features, ensuring a smooth transition and no downtime during system implementations.

VDYO Pty Ltd, Full Stack Engineer

Jul, 2014 — Jun, 2016

- Led the development of a highly scalable multi-tenant video-on-demand SaaS platform, adopted by leading media companies, including AACTA.
- Incorporated advanced features such as Digital Rights Management, Video Encryption, Multi-bitrate Streaming, Heat Map Analytics, and Facebook Integration.
- Ensured user and data security with features like Custom Branding and URLs, Digital Rights Management, and Pre-Roll Advertising.

Self-employed, Freelance Full Stack Developer

Dec, 2013 — Jun, 2014

- Received positive feedback from clients for my exceptional communication, responsiveness, and commitment to delivering exceptional results.
- Collaborated with clients to determine project scope and requirements, ensuring the timely delivery of high-quality products.
- Provided ongoing maintenance and support for existing clients, ensuring the smooth operation of their systems.

- <p>Developed a highly scalable and fault-tolerant CRM and IMS (Inventory Management System) using PHP, MySQL, and memecached, achieving 99.99% uptime.</p>
- <p>Designed and implemented a CI/CD pipeline using Jenkins, reducing deployment time by 80%.</p>
- <p>Integrated with HugesNet, a satellite internet service provider, to provide a seamless experience service providers and customers.</p>
- <p>Provided high-quality support to ensure a smooth transition and no downtime during system implementations.</p>

EDUCATION	Sunnydale High School GCSE A level (High School) - Science	Jun, 2007 — Jun, 2009
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SKILLS	<p>Backend (<i>Advanced</i>): <p>Go</p> , <p>PHP</p> , <p>TypeScript</p> , <p>JavaScript</p> , <p>Python</p> , <p>SQL</p></p> <p>Frontend (<i>Advanced</i>): <p>HTML / JSX</p> , <p>HTMX</p> , <p>TypeScript</p> , <p>JavaScript</p> , <p>React</p> , <p>Angular</p></p> <p>Database (<i>Advanced</i>): <p>MySQL/MariaDB</p> , <p>PostgreSQL</p> , <p>TimescaleDB</p> , <p>MongoDB</p> , <p>Redis</p></p> <p>Version Control (<i>Advanced</i>): <p>SVN</p> , <p>Git</p></p> <p>DevOps (<i>Advanced</i>): <p>Kubernetes</p> , <p>Docker</p> , <p>AWS</p> , <p>GCP</p> , <p>Github/GitLab CI/CD</p> , <p>Jenkins</p> , <p>Ansible</p> , <p>Terraform</p> , <p>Pulumi</p> , <p>Prometheus</p> , <p>Grafana</p> , <p>ELK Stack</p> , <p>DataDog</p></p> <p>Practices (<i>Advanced</i>): <p>Serverless</p> , <p>Microservices</p> , <p>RESTful API</p> , <p>WebSocket</p> , <p>gRPC</p> , <p>GraphQL</p> , <p>Linux</p> , <p>TDD</p> , <p>BDD</p> , <p>Agile</p></p>
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LANGUAGES	English (<i>Fluent</i>) , Bengali (<i>Native</i>)	.
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