

# Charlie Spalevic

(872) 888-3067 • [cedomir.spalevic@gmail.com](mailto:cedomir.spalevic@gmail.com) • [Website](#) • [GitHub](#)

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Senior Software Engineer with a proven record of delivering high-impact products and driving modernization of large-scale systems. Worked on key initiatives at PayPal including Pay Later virtual card launches, high-conversion A/B experiments, and the rebuild of Checkout into a Next.js application. Skilled in architecting frontend experiences, enhancing observability with Datadog, and building AI-driven tools to accelerate debugging and analysis. Passionate about crafting seamless customer experiences, optimizing performance, and building solutions that scale.

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## Professional Experience

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### PayPal

Apr 2021 - Present

#### Senior Software Engineer, Chicago, IL

- Core engineer in a Next.JS modernization of PayPal checkout, serving 100,000,000 monthly transactions
- Designed GraphQL service integration by improving latency by 80%
- Built AI triaging agents for automated session analysis, cutting triage time by 40%
- Built an address normalization system with Checkout to improve accuracy of addresses used by merchant accounts
- Partnered with product & observability teams in order to enhance DataDog metrics, reducing error rates and improving Checkout reliability
- Owned multiple A/B Experiments that improved conversion rates
- Developed reusable react component libraries that standardized design and reduced code duplication
- Core member of a BNPL Pay Later virtual card feature within the Honey browser extension
- Promoted to Senior Software Engineer after a successful migration for the Next.JS modernization
- Drove accessibility modernization efforts by running automated (axe-core) and manual audits across Next.JS surfaces, ensuring WCAG 2.1 AA compliance and improving user experience metrics
- Architected and standardized observability dashboards and alerting pipelines in DataDog, providing engineering and product teams with actionable metrics

### Spraying Systems

Jan 2019 - Apr 2021

#### Software Engineer, Glendale Heights, IL

- Designed and implemented a .NET MVC application for processing new leads into a CRM system owning all aspects of the application from CSS to SQL
- Built a custom autocomplete application used within the Dynamics 365 CRM
- Developed DAM frontend/backend tools to manage metadata, detect duplicates, and maintain asset integrity
- Designed and implemented the subscription management system for any newsletters

### K-Rise Systems

Apr 2018 - Dec 2018

#### Software Engineer, Aurora, IL

- Improved search performance with Apache Solr adding intelligent suggestions and spellchecking, improving performance by 6 seconds
- Integrated a quote feature for clients, enabling faster and more accurate quote generation.

### Innov8tek

Aug 2017 - Feb 2018

#### Web Development Intern, Chicago, IL

- Redesigned johnbielskilaw.com for improved user experience and engagement.
  - Developed responsive, client-focused websites using HTML, CSS, Javascript, and PHP
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## Education

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Illinois State University, Normal, IL, Bachelor's in Computer Science, Aug 2013 - Dec 2017

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## Core Competencies

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**Programming Languages** JavaScript, TypeScript, Python, C#

**Frameworks and Libraries** ReactJS, Next.js, .NET, Tailwind, React Native, Expo

**Monitoring and Analytics** Datadog (RUM, APM, Dashboards), OpenTelemetry

**AI and Emerging Tech** Mastra, AI-SDK, OpenAI, Embedding Models, RAG Pipelines, Vector Database

**Architecture & Infrastructure** Microservices, RESTful APIs, GraphQL