

# CHRISTIAN CHARUKIEWICZ

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## PROFESSIONAL EXPERIENCE

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### Partner & Principal Software Engineer

2020 – PRESENT

*Foxhound Systems*

- Business co-founder; acquired clients, set growth strategy, hired staff, and provided software development and technical consulting services to clients totaling over \$600,000 in revenue
- Led the design, build, and delivery of full stack web applications and back end systems for clients in a variety of industries including ecommerce, video streaming, and financial services
- Created software systems using numerous tools and technologies, including Haskell, Node.js, React, Python, PHP, Ruby, Tailwind, MySQL, PostgreSQL
- Deployed and maintained client software systems on a variety of platforms, including AWS and Heroku using numerous infrastructure/build tools, such as Docker, Nix, GitHub Actions, BitBucket Pipelines, AWS ECR/ECS/RDS, CloudWatch, Sentry

### Chief Technology Officer

2014 – 2020

*Roompact*

- Leader of technology and product driving B2B SaaS revenue growth from \$150K to \$1MM ARR
- Set long term road map for product development; continually raised standards for application design, architecture, documentation, performance, security
- Led hiring process for technical employees and interns; developed and led training of new technical staff
- Introduced and taught the Haskell and Elm programming languages to team members
- Planned and executed the transition of company server infrastructure to Amazon Web Services; automated server deployments; reduced technical infrastructure costs by 70%
- Utilized and taught team members on the use of a variety of programming languages, infrastructure tools, and frameworks: Haskell, Elm, JavaScript, CakePHP, Node.js, Jekyll, HTML, SASS/SCSS, Nginx, MySQL, Redis, Supervisor, Ansible, Nix, AWS (EC2, RDS, S3, ELBs, SES, Route 53, Lambda, etc.)

### Product Development Lead

2011 – 2013

*Next Generation Gaming, LLC*

- Managed development team consisting of multiple developers working on developing features for small game server with over 8,000 players a month; technologies used: PAWN, MySQL, PHP
- Designed and built an automated sales system which increased average monthly revenue by 35%

### EMT-Basic (Volunteer Position)

2012 – 2014

*Illini Emergency Medical Services*

## OPEN SOURCE SOFTWARE

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- **isbn** (*Haskell package, Author*) – [hackage.haskell.org/package/isbn](https://hackage.haskell.org/package/isbn), [github.com/charukiewicz/hs-isbn](https://github.com/charukiewicz/hs-isbn)
  - Authored Haskell library ISBN validation & manipulation; wrote documentation, automated tests
- **yesod-auth** (*Haskell package, Contributor*) – [hackage.haskell.org/package/yesod-auth](https://hackage.haskell.org/package/yesod-auth)
  - Enhanced the developer-facing API for email-based user registration and password reset workflows
- **esqueleto** (*Haskell package, Contributor*) – [hackage.haskell.org/package/esqueleto](https://hackage.haskell.org/package/esqueleto)
  - Ported elements of standard SQL into the package, improving its coverage of SQL
  - Wrote detailed documentation and examples for an experimental new syntax in the package

## TECHNICAL SKILLS & LANGUAGES

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**Languages** Haskell, Elm, PHP, JavaScript, SQL, Python, Bash, HTML, SCSS

**Technologies** Linux, Nix, Redis, Nginx, Ansible, Node.js, MySQL, PostgreSQL, SQLite, Git, AWS

## EDUCATION

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**University of Illinois, Urbana-Champaign**

2010 – 2014

B.Sc. Mathematics & Computer Science, Philosophy