

# Brian J. Sparrow

Annapolis, MD

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## EDUCATION

### Vanderbilt University

Nashville, TN

B.E. Honors in Electrical Engineering, Engineering Management, *summa cum laude*. May 2009

## EXPERIENCE

### BlockFi

Remote

*Principal Engineer*, June 2020-August 2022

Early engineering hire and led transition from legacy monolith to microservice based architecture in support of ~100x customer and AUM growth. Hired and led a team of 8 engineers responsible for all cloud infrastructure and on-call response. Implemented a comprehensive Locust load testing suite.

Reference: Dan Rue, Director of Engineering-Blockfi; 952-215-2221, dan.rue@blockfi.com

### Riot Games

St Louis, MO/Remote

*Senior Engineer*, June 2018-June 2020

Responsible for Erlang services supporting social and messaging features for all Riot titles.

Converted existing systems to support cross-region and multi-game functionality. Successfully launched 4 new games on our new social platform. Regularly on-call for critical systems.

Reference: Kyle Burton, Senior Manager-Riot Games; 610-659-6040, kyle.burton@gmail.com

### Workiva

Ames, IA/Remote

*Senior Engineer*, June 2017-June 2018

Technical lead for projects related to custom container-orchestration systems. Worked on prototypes to convert container orchestration to Kubernetes. Developed features and fixed bugs on an internal messaging backend written in Go and Python. On-call regularly for critical infrastructure.

Reference: Matthew Schlue, Director of Engineering-Workiva; matthew.schlue@workiva.com

### Basho Technologies

Remote

*Senior Engineer*, January 2012-June 2017

Involved in all facets of development and support for Riak, RiakCS, and RiakTS database products.

Regularly lead investigations of critical bugs, outage situations, and pre-sales opportunities.

Participated in on-call rotation and frequently visited customer sites. Supported client libraries.

Reference: Justin Pease, VP of Services-Basho; 208-891-5020, justin.pease@gmail.com

### ARINC

Annapolis, MD

*Software Engineer*, March 2010-December 2011; *Intern*, May 2007-August 2007

Develop JAVA based GUI for airplane cockpits. Maintained Python message processing system backed by Oracle database. Designed and implemented new test bed systems. SEI/ISO 9001 process.

Reference: Margot Dubicki, Senior Manager-Amazon; 410-690-6417, margot.dubicki@gmail.com

### MI-Corporation

Durham, NC

*Software Engineer*, May 2008-February 2010; *Intern*, Dec 2007-May 2008

Junior member on a small team of 4 engineers responsible for all development, testing, and maintenance of Mi-Forms e-forms software. Managed all backend servers and databases.

Reference: Chris DiPierro, Vice President of Platform-Ideagen; cdipierr@mi-corporation.com

## SKILLS

Distributed systems, databases, functional programming, object oriented programming, Linux, UNIX, BSD, Solaris, SPARC, MS Office Suite development, Windows Server, Sharepoint, Virtual PC/Server, Android, Cisco IOS, SQL, ORACLE, PL/SQL, NoSQL, MapReduce, GraphQL, Ansible, Puppet, Chef, Terraform, CDK, Pulumi, AWS, GCP, K8s, ECS, EKS, HTML, PHP, Node.js, GO, JAVA, .NET, C#, VB, Perl, Python, Erlang, Elixir, C++, Shell, VHDL, Quartus, PSpice.