

Patrick Blesi

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PROFESSIONAL SUMMARY:

Focused and dedicated individual with 8+ years industry experience as a software engineer, technical lead, and manager, leading teams to deliver products through the full software development life cycle and a proven track record of delivering results.

RELEVANT EXPERIENCE:

BRAINTREE (PAYPAL), CHICAGO, IL

JUNE 2014 – PRESENT

Member of Technical Staff II (Reporting & Insights Group)

Jan 2019 – Present

- Scaled Braintree's 60-node Elasticsearch infrastructure by sharding and migrating our multi-billion document clusters to AWS without incident or downtime
- Designed and implemented active/active Elasticsearch infrastructure for high availability and easy operability

Tech Lead, Manager (Platform Group)

Oct 2016 – Dec 2018

- Managed 2 teams of 4 engineers to improve deployment and development processes and scale Braintree's data storage layer
- Improved deployment process of main payment processing application by parallelizing deployment of background systems, adding canary deployments, and enabling out-of-band database migrations
- Upgraded main payment processing application from Rails 4 to Rails 5
- Created and open-sourced Runbook, a Ruby framework for automating common operational runbooks; featured in Ruby Weekly, over 450 stars on Github

Tech Lead (Support Developers)

Jun 2015 – Sep 2016

- Led team of 7 engineers, developing sample Braintree integrations in 6 different languages, improving server sdks, reducing support ticket, stack overflow, and github issue response times from weeks to hours
- Implemented threading model using channels to parallelize import process to eliminate race conditions and triple throughput

Senior Software Engineer (Pay with PayPal)

Jun 2014 – Jun 2015

- Developed main integration to PayPal rest API through Braintree
- Led development of PayPal browser-switch feature to allow mobile users to store credentials for fast, easy checkout

WOWZERS LLC, CHICAGO, IL – Software Engineer

September 2013 – June 2014

- Developed Ruby on Rails full stack implementation of student grade-reporting feature
- Created naïve Bayes classifier classifying user feedback into one of four categories, achieving 87% accuracy

HIGI LLC, CHICAGO, IL – Software Engineer

August 2012 – September 2013

- Developed customer-facing analytics platform integrating JSON database, MSFT SQL Server, and Tableau Server to synthesize web, mobile, and kiosk data for 500,000+ users, 6,000,000+ records
- Developed redundant, fault-tolerant, high availability Twitter monitoring daemon to process user submitted photos via Twitter and Instagram clients
- Developed C# Facebook and Twitter API clients for querying user info, posting messages, creating app invites, and monitoring twitter streams

TEACH FOR AMERICA, CHICAGO, IL – Mathematics Teacher

June 2011 – August 2012

- Prestigiously selected as one of 5,300 candidates out of 45,000 applicants (12% acceptance rate) to teach Algebra, Geometry, and Algebra II in an urban school district
- Facilitated student learning which led students to achieve over 2 years of growth in mathematical reasoning ability

PERSONAL PROJECTS:

Globally Synchronized Wifi Touch Lights

December 2017

- Designed and built wifi-enabled touch lamps that synchronize their color when any one of the lamps is touched
- Designs have been used by others to create dozens of lamps

Personyms.com

February 2015 – Present

- Website for selling personalized email and web addresses (e.g. patrick.ble.si)
- Self-managed infrastructure including web, LDAP, Postgres, and Postfix services

TECHNICAL SKILLS (IN ORDER OF FAMILIARITY):

Programming Languages: Ruby, Bash, SQL, Java, C#, JavaScript, Clojure

Technologies: Ruby On Rails, Postgres, Puppet, AWS, Elasticsearch, Kafka, Docker, Kubernetes, Terraform

Operating Systems: 18+ years working with Unix-based operating systems

Development Tools: Vim, Git, Tmux, Emacs, PostgreSQL, Visual Studio

EDUCATION:

University of Wisconsin-Madison

May 2011

Bachelor of Science: Math & Computer Science

Honors: Dean's List Fall 2009, Fall 2007