

Barrett Cervenka

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SUMMARY

Technology enthusiast with a passion for solving technical problems and interfacing with internal and external customers. Looking for roles within engineering management or senior individual contributor.

EXPERIENCE

Principal Software Engineer - Artesion, Tacoma, WA

2023-present

- Developing resilient edge computing platform

Manager - Platform Development, Nationwide Marketing Group, Winston Salem, NC

2022-2023

- Successfully launched a multi-tenant e-commerce platform supporting independent retailers of appliances, consumer electronics, furniture, and bedding
- Technologies: GraphQL (Hasura), Next.js, PostgreSQL, Node.js, Google Cloud, Azure DevOps

Principal Software Engineer, Ballista Technology Group (formerly Northscaler), Austin, Texas

2012-2022

- Involved in all technical aspects for Ballista client engagements

Client: Pratexo (2021-2022)

- Implementation of MVP designed to configure and install architectures for edge computing.
- Technologies: Node.js, Kafka, MongoDB, Kubernetes, Google Cloud, Docker, REST, Gitlab CI/CD

Client: Apostrophe Health (2020-2021)

- Transitioned a backend consisting of stored procedures into smaller event driven micro services
- Technologies: Amazon SQS/SNS, MongoDB, Node.js

Client: AbleTo (2018-2020)

- Design and implementation of new architecture transitioning legacy Laravel PHP & relational database to a performant, event driven stack
- Design and implementation of greenfield claims processing pipeline
- Technologies: Google Cloud, Kubernetes, Helm, Docker, Cloud Functions, Google Pub-Sub, Mongo Atlas, Node.js, REST, Gitlab CI/CD, Integrations with Mahler Health & Eligible.com

Client: Northwestern Mutual (2017-2018)

- Design and implementation of data integration service for the Investment Performance Services organization.
- Created a set of Node.js micro services that integrate with SOAP and REST based third parties storing trade-related data to & from financial partners
- Technologies: Node.js, Kubernetes, Docker, Redis, MySQL (Amazon RDS), Ansible

Client: City of Denver, Smart City Pilot Project (2016)

- Design and implementation of IoT pilot project to detect road, traffic, and hazard conditions from sensors in city vehicles to cloud-connected, roadside units feeding monitoring dashboard and triggering alarms upon evidence of accidents
- Technologies: Scala, Spark, Java, Kafka, MongoDB, Docker, Node.js

Client: New York Blood Center (2015)

- Design and implementation of edge & cloud services to collect and upload blood donation information via employees' mobile devices
- Technologies: Node.js, Express, REST, MongoDB

Client: Blueberryhome (2015)

- Design and implementation of application designed to connect neighbors with service professionals in select neighborhoods
- Technologies: AWS, Node.js, MongoDB, Angular

Client: AMC Health (2014)

- Design and implementation of a clinical trials Android app with Node.js backend.
- Patient application includes several custom Cordova plugins for Bluetooth communication with health devices and real time chat and video communication
- Technologies: Node.js, MongoDB, Cordova, Java, Android

Client: OneDegree (2012-2013)

- Design and implementation of intelligent application focused on connecting potential employees to employers with ideal workspace culture
- Technologies: Java, Spring, AspectJ, Groovy, MongoDB

Senior Software Engineer, Early Warning, Austin, Texas

2012

- Design and development of web services and reports for the First Party Fraud Services product
- Primary technologies include Java, Spring, Oracle, JBoss

Software Engineer, Electronic Arts, Austin, Texas

2011-2012

- Design and development of EA's highly scalable commerce, user identity, and product entitlement platform which services 220 million users
- Interaction globally with game teams to help design best HTTP REST APIs for their needs
- Participate actively in an Agile development process, including development of task descriptions and scope estimation for allocation into sprints.
- Primary technologies include Java, OSGi, Spring, Hibernate, Oracle, JUnit

Senior Escalation Engineer, Open Text (formerly Vignette), Austin, Texas

2010-2011

- Member of the Level 3 Customer Support team primarily tasked with supporting Open Text Web Experience Management (formerly Vignette Content)
- Patch development and debugging included Java, SQL, Javascript, and CSS primarily on Oracle Weblogic application server

Senior Software Engineer, Vignette Corporation, Austin, Texas

2005-2010

- Lead developer of upgrade framework for the Vignette Content product, which handles all object transformations, schema updates, and file system updates using Java
- Led offshore development and QA team in Hyderabad, India by managing resources, monitoring progress, providing development support and guidance.

Automation Engineer, Vignette Corporation, Austin, Texas

2001-2004

- Developer and project lead of a tools automation team that serviced the entire Engineering organization resulting in a savings of weeks of install time.

QA Engineer, Vignette Corporation, Austin, Texas

2000-2001

- Designed and implemented test scenarios across all three APIs that Vignette supported at the time: Tcl, ASP, and JSP.

EDUCATION

Texas A&M University, College Station, Texas
B.S., Computer Engineering, 1999