

JOSH BACON

Engineer / Developer

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STATEMENT Capable software engineer seeking new opportunities to collaborate, build, and deliver successful projects. I share an enthusiasm for engineering; and always strive to be a positive, effective, and mindful contributor within my team, company, and community.

CAREER EXPERIENCE

Software Engineer 3 - eBay (March, 2022 to present day)

Working along-side a global team of engineers in Delivery Engineering org. Our team is responsible for all code continuous delivery across eBay. Together we built an internal application known as ECDX, inspired by open-source products (Tekton), to handle CI/CD processes for every service across eBay. Technical responsibilities include:

- Front-end React development with Ant/eBay component libraries.
- Back-end development in both Java (Spring) and GoLang
- RESTful microservice API design/development
- Heavy use of Kubernetes, Tekton, Kafka, and Elasticsearch
- GitHub version control
- Presenting design proposal and documenting POC
- Usage of many eBay cloud service offerings

Software Engineer - Ctrl IQ Inc (February, 2021 to March, 2022)

One of a hand-full of early-startup engineers developing a range of GoLang products and services. Heavy use of linux, cloud-computing, gRPC, GitLab CI/CD, and front-end ReactJS applications.

- Designed and developed several key GoLang gRPC APIs/Services
 - Provision Service - A Cloud agnostic compute manager/scaler
 - Schedule Service - A extensible orchestration/priority engine
- Built GoLang CLI clients and various internal modules/tools
- Built scalable microservice workflows using Temporal.io software
- Developed internal website using ReactJS, Material UI, and NextJS
- Key contributor to authentication and identity management system design
- Heavy use of Azure and AWS Clouds
- Heavy use of docker, kubernetes, helm, and linux
- Heavy use of GitLab CI/CD

Software Engineer II - Nordstrom (July, 2016 to July, 2020)

2 years as a product engineer working alongside a specialized supply-chain team that modernized Nordstrom shipping programs. 2 years as a platform software engineer building a large-scale, kubernetes-based, data-processing and orchestration system for use by dozens of analytic and data-science teams.

- Built GraphQL services to simplify data-query complexity across supply chain.
- Java and GoLang developer.
- Python development for Nordstrom Analytic teams.
- Contributor to the open-source Apache Airflow Python project.
- Extensive AWS and GCP cloud experience.
- Extensive Kubernetes and Docker knowledge.
- Various ReactJS contributions on various sites.
- Key player on data processing / orchestration platforms across Nordstrom
 - Kubernetes
 - Spark
 - Kafka

- Airflow
 - Hadoop
- Full-stack and dev-ops responsibilities.
- Mentor and advisor to interns and employees alike.
- CICD advocate.

Software Developer - PC Bennett Solutions (July, 2015 to July, 2016)

- C# and ASP.NET developer.
- Built user-interfaces, customizations, and integrations with proprietary software.
- Knowledge of enterprise business software.
- Worked closely with external clients, customers, and CPAs.
- Customer facing.

Intern for Information Delivery - Clearwater Paper (July, 2014 to May, 2015)

Worked as a product developer on enterprise software for small and medium size business. Programmed using C# and ASP.NET. Orchestrated customer facing design meetings and worked closely with project managers to ensure delivery of a complete product.

- C#, ASP.NET, and Javascript developer.
- Business Intelligence (B.I.) responsibilities.
- Heavy use of Microsoft data enterprise tooling.
- Crafted custom business reports.

EDUCATION

Gonzaga University, May 2015 - B.S. in Computer Science
Sumner Senior High School, 2011 - International Baccalaureate Diploma

LANGUAGES

GoLang, Java, JavaScript, Python, Scala, C#

FRAMEWORKS

gRPC, GraphQL, Web APIs, Spark, NodeJS, SOA, React

SOFTWARE

Kubernetes, Linux, AWS, GCP, Docker, VSCode

COURSES

2015 Artificial Intelligence (Python)
 Design & Analysis of Algorithms (C++)
 Software Design & Engineering (C#, ASP.NET)

2014 Statistics (R Scripting)
 Operating Systems (C/C++)
 Software Engineering Concepts Computer Graphics (C++, OpenGL)
 Data Mining (Python)
 Chaos & Dynamical Systems (Python)
 Mobile Computing (Java, Android, Eclipse)
 Computer Architecture

2013 Computer Security
 Programming Language Paradigms (Haskell, Prolog)
 Object-Oriented and Event Driven Programming (Java)

2012 Algorithms & Abstract Data Structures (C++)

RECOGNITIONS

Data & Services Playmaker Award - Nordstrom, Q1 2017
Dean's Scholarship - Gonzaga University, 2011 to 2015
Chuck Award - Clearwater Paper Corp, October 2014
Full International Baccalaureate Diploma - Sumner High School, 2011
Academic Excellence Award - Rotary Club of Sumner High School, 2011