

JOSH BACON

Engineer / Developer

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STATEMENT Knowledgeable 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 with a global team of engineers in Delivery Engineering org. Together we designed and built eBay's code delivery platform from the ground-up. Our internal application, known as ECDX, is inspired by open-source products (Tekton). We handle CI/CD 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
- Use of Kubernetes, Tekton, Kafka, and Elasticsearch
- GitHub version control
- Presenting design proposal and performing research/POC
- Using 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 to revolutionize the high performance computing (HPC) industry. 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, 2015 - B.S. in Computer Science

Sumner Senior High School, 2011 - International Baccalaureate Diploma

LANGUAGES

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

FRAMEWORKS

gRPC, REST, GraphQL, Web APIs, NodeJS, React, Spark, Kafka

TOOLS

Linux, Docker, K8s, AWS/GCP, ES, VSCode, MacOS

COURSES

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|-------------|--|
| 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