

Jonathan Morton

Technologist, Builder, Coach

Highlights

Techniques	Scrum, Behavior Driven Development, Mob Programming
Tools	Git, Travis CI, CodePipeline, JIRA, Productboard, Jupyterlab
Development	Clojure, Python, Ruby, Javascript, Node.js, Vue.js
Serverless	AWS, TileDB, Dask, Kubernetes, Helm
Serverfull	PostgreSQL, Cassandra, Spark, Mesos, Marathon, Docker
Fundamentals	Business Strategy, Deep Work, Lean Engineering

KBR, Inc.

SOFTWARE ENGINEER (2020-PRESENT)

Responsible for defining the technical approach to moving the LCMAP system from an on-premise system to AWS. Evaluate cloud-native solutions enabling access to Landsat Analysis ready data and execution of science models at cloud scale. Key technologies: AWS, Kubernetes, Jupyterlab, Dask, TileDB.

Responsibilities

- Identify and analyze geospatial related software.
- Prototype and evaluate solutions.
- Perform regular code reviews and merge requests.
- Provide analysis and recommendations to team system engineer.

Accomplishments

- Identified an approach that could eliminate duplication of data for time series analysis.
 - Identified a solution for executing analysis at large scale that provides a unified approach from model inception to product generation.
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Goodshuffle, Inc.

DEPUTY CTO (2019-2020)

Goodshuffle, Inc. provides software as a service to the event rental industry. Our product helps businesses manage contracts, customer information, inventory, and logistics while integrating with other popular tools like QuickBooks Online, Google Calendar, and a wide variety of websites. During my tenure, our customer base doubled in part because of product and technical decisions that I made.

Responsibilities

- Advise the founders (CEO and CTO) and execute on their strategic decisions.
- Take ownership of defining, designing, implementing, and shipping key feature sets.
- Collaborate with clients to integrate our product with their business.
- Establish rigorous product management and engineering processes.
- Scale the team and scale the product.
- Coach teammates, including executive leadership.

Accomplishments

- Created a website wishlist integration that enabled acquisition of new customers and reduced churn.
- Increased monthly recurring revenue by approximately 10%.
- Established a customer focused product management process that increased the productivity of the customer success team, evaluate insights, and set engineering priorities.
- Created a functional prototype of a booking conflict detection and prevention system with multi-location and history aware inventory level support.

Long Jump LLC (Consulting)

PRINCIPAL (2018-PRESENT)

I diagnose problems and opportunities, define a goal-oriented conceptual approach, and prescribe practical but specific ways to accomplish it. I also help teams execute on technical aspects of a plan, bringing to bear twenty years of engineering experience. My technical services include user experience design, system architecture, software development, and automation; using an approach that generates value early and incrementally.

I have provided services to clients in the healthcare and financial industry. My efforts helped small engineering teams transition from traditional IT infrastructure to serverless infrastructure on AWS.

Element84

PRINCIPAL SOFTWARE ENGINEER & ACCOUNT MANAGER (2014-2017)

Responsibilities

- Manage client relationships, collaborate with customer to identify opportunities and define plans.
- Recruit, manage, mentor, and lead developers.
- Foster agility and reliability using an adaptive process.
- Design, develop, and operate software systems.
- Contribute to corporate planning.

Accomplishments

- Established and grew the South Dakota client-focused software engineering team.
- Enabled time-series analysis of a thirty year continental-scale data archive using on-premise shared compute resources.
- Defined Element84's developer career path.
- Increased monthly job applications by 10x.
- Focused the corporate vision and mission.

CustomInk

SENIOR SOFTWARE ENGINEER (2011-2014)

Responsibilities

- Create tools for employees that improve their efficiency and happiness.
- Collaborate with product owners to define and manage objectives and plans.
- Lead development using an agile process.

Accomplishments

- Created tools for customer service, vendor management, and content review teams.
- Increased employee satisfaction and efficiency.
- Reduced risk of copyright infringement.

DataTactics

SENIOR SOFTWARE ENGINEER (2009-2011)

Responsibilities

- Provide full-stack software engineering services to federal clients.
- Collaborate with account executives to manage expectations and define a plan.
- Contribute to company research and development efforts by evaluating emerging technologies.

Accomplishments

- Created a web application for managing critical communications infrastructure, replaced an unmaintainable legacy system with usability deficiencies.

The Formative Years (1997-2009)

During the first half of my career, I grew from novice to expert by learning the fundamentals of software engineering and system operations using various technologies in a variety of industries.

- VisualCV – Software Engineer (2008-2009)
- Independent Consultant – (2006-2008)
- Alberstons Inc. – Advanced Technology Engineer (2003-2006)
- Infogain – Web Developer (2000-2003)
- Hewlett-Packard / Agilent – Web Developer (1997-2000)

Education

BS Computer Science, George Mason University, December 2013.