

# Dustin Barnes

- Email: [dustin.barnes@gmail.com](mailto:dustin.barnes@gmail.com)
- Phone: Upon Request
- LinkedIn: <https://www.linkedin.com/in/dustinbarnes/>
- GitHub: <https://github.com/dustinbarnes>

---

*A 20+ year Software Development veteran with deep and broad experience in software development, CI/CD, cloud migrations, platform modernizations, developer productivity, and championing SDLC best practices.*

## Skills

---

- Java 8+ (10)
- CI/CD (10)
- Kanban (10)
- Test Automation (10)
- Agile/Scrum (9)
- Linux (9)
- Kubernetes (K8s) (8)
- NodeJS (8)
- Tech Presentations (8)
- GitHub (8)
- GitLab (7)
- HTML/CSS/JS (7)
- GCP (7)
- AWS (6)
- Typescript (6)

## Work History

---

### Celonis

---

#### Senior SDE (Remote, Developer Tools) (2023-09 to 2025-04)

*Built a team to focus on developer tools, developer productivity, and developer experience.*

Highlights:

- Implemented K8s-based hybrid-local development solutions (telepresence, mirrord)
- Dramatically simplified engineering onboarding and ramp-up (months to days)
- Unified CI/CD processes for product organization
- Enabling certification for FedRAMP
- Heavy use of GitHub Actions (GHA) for automation
- Grew team from 1 to 6 members

Tech Used:

- GitHub
- GitHub Actions
- K8s
- Bash
- Docker
- ArgoCD
- Node/TypeScript
- Java 8/11/17+
- Maven
- DataDog
- Mirrord

## LivePerson

---

### Senior SDE (Developer Tools) (2022-02 to 2023-03)

*Original member of team tasked to level-up the CI/CD practice across the entire organization.*

Highlights:

- Ran multiple PoCs for unified CI/CD tooling, choosing GitLab
- Wrote automation tooling to migrate repositories from GitHub to GitLab
- Migrated from TeamCity/Jenkins to GitLab CI/CD
- Focused on Developer Experience, and providing a developer platform
- Unified story for code, testing, deployment, monitoring, logging, metrics, security, and maintenance

Tech Used:

- |          |                |
|----------|----------------|
| • GitHub | • Node         |
| • GitLab | • Java 8/11/17 |
| • K8s    | • Maven        |
| • Bash   | • GCP          |
| • Docker | • ELK stack    |
| • confd  | • ServiceNow   |

## LivePerson

---

### Senior SDE (Product) (2019-04 to 2022-02)

*Leveled-up the CI/CD practice while tackling COVID-related scaling issues.*

Highlights:

- Led transition to horizontal scaling for primary backend messaging product (>1m per day)
- Java8, large 10+ years old code base, shard-based solution with nginx routing
- Drove a feature-flag system to reduce risk during releases
- Led migration of messaging product from Puppet+VMs to K8s
- Drove many efforts to adopt SDLC and CI/CD best practices

Tech Used:

- |                    |              |
|--------------------|--------------|
| • Java 8/11/17     | • Jenkins    |
| • Maven            | • Node       |
| • Puppet           | • CI/CD      |
| • Virtual Machines | • ELK stack  |
| • K8s              | • ServiceNow |
| • TeamCity         | • Spring     |

## Dev9

---

### Solutions Architect (2013-11 to 2019-04)

*Consulted at many large software firms in the Seattle area*

Highlights:

- GCP Certified Solutions Architect (now expired)
- AWS Associate Solutions Architect (now expired)
- Public presentations at SeaJUG and other small tech meet-ups
- Developed a Continuous Delivery Maturity Model as client rubric
- Lift-and-shift from datacenter to cloud
- Present to, and collaborate with, C-level and VP-level decision makers
- Interview, mentor, and train new leads and solutions architects
- Used in strike team for urgent, complicated technical issues

Tech Used:

- GCP
- AWS
- Graphs-as-code
- Java 8
- Node
- K8s
- CI/CD
- Spring
- Spring Boot

## Dev9

---

### Lead Developer (2012-11 to 2013-11)

*Consulting at a school-based social networking company*

Highlights:

- Designed and implemented a realtime Change Data Capture (CDC) system
- Ran PoC for Neo4j (Graph Database), to reduce RDBMS load
- Wrote native Neo4j plugins agasint 750m nodes, 3b edges
- Extensive Garbage Collection (GC) optimization, JVM optimization

Tech Used:

- Neo4j
- Java 8
- PostgreSQL

## Dev9

---

### Senior SDE (2012-06 to 2012-11)

*Consulting at a video game company in Redmond, WA*

Highlights:

- IC to account services and sign-on services
- Drove plan to stress/load-test service prior to launch
- Successfully simulated 1 million simultaneous users around the world
- Deep performance analysis and tuning
- Launched on-time, under-budget, no issues on Christmas Day

Tech Used:

- Java 8
- Gatling
- Cassandra
- TeamCity

## Optify

---

### Senior SDE (2011-03 to 2012-06)

*Large-scale marketing automation startup*

Highlights:

- Sharded PostgreSQL database with a custom JPA driver
- Integrated Recurly for subscription payments with simplified PCI compliance
- Deployed ElasticSearch to offload RDBMS load
- Championed CI/CD best practices such as build servers and binary repositories

Tech Used:

- Java 8
- PostgreSQL
- Jenkins
- AWS

## All Star Directories

---

### Developer III (2006-07 to 2011-03)

*Managed platform transition from PHP to Java, introducing CI before it was cool*

Highlights:

- Platform transition from PHP to Java
- Interviewed, managed, and mentored other developers

Tech Used:

- PHP
- Java
- Groovy/Grails
- Maven
- Hibernate
- Hudson (Jenkins)

## All Star Directories

---

### Developer (2002-06 to 2006-07)

*PHP and LAMP-stack development*

Highlights:

- Moved from single-file spaghetti code to MVC framework
- Grew with company from 5 to 150+ individuals

Tech Used:

- Linux
- Apache
- MySQL
- PHP

## Education

---

### University of Washington (2000-2003)

BS in Computer Engineering, Cum Laude