

Dillon Harless

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WWW: Bold Profile

Experienced software engineer with a proven track record for developing robust cloud-based applications across diverse sectors including healthcare, non-profit disaster response organizations, large corporations, and startups. Deep experience with AWS. Familiarity with Azure. Roughly 50/50 split on frontend and backend experience. Holds multiple AWS certifications including Certified Solutions Architect and Certified Cloud Developer.

Skills

- Languages: TypeScript, C#, Python
- AWS CDK, CloudFormation, Terraform
- Serverless Design
- Cloud Architecture / System Design
- Software development lifecycle management
- React.js, Node.js
- AWS Services
- Software Design Patterns
- Project Scoping
- Web applications

Work History

Senior Software Engineer

DMI, Remote

April 2024 - February 2025

- Developed platform to streamline internal AI/LLM products.
- Designed tangential evaluation framework for our customers building on the AI platform.
- Conduct in-depth code reviews and help guide other engineers in technical decision making.
- Delivered unit-tested systems within customer-prescribed timeframes.
- Collaborated with management and product teams regarding software application design status and project progress.

Senior Software Engineer

CloudFruit, Remote

October 2022 - April 2024

- Designed and developed a 3-module lightweight ERP. Integrated an AI-driven OCR tool and QuickBooks Desktop to streamline the customer's ordering and logistics process.
- Created a custom middleware application in .NET (C#) to integrate the custom application and QuickBooks Desktop.
- Created a framework for serverless API creation reduced time to deployment of a fully permissioned API endpoint by about 70%

- Implemented CI/CD and Infrastructure as Code (CDK) to increase developer velocity and environment stability
- Lead the Agile development team and ensured thorough code coverage, fostering TDD
- Migrated Quickbooks Desktop from on-premises to AWS EC2.
- Languages used: TypeScript (React.js & CDK), C# for QBD integration to custom application.

Software Development Engineer

AWS, Remote

October 2022 - October 2023

- Developed and maintained a large-scale ETL application written in Java that serviced more than 100 TB of data daily.
- Saved the organization roughly 4,000 hours of Data Engineers' time each month by redesigning and developing a Python application.
- Implemented and maintained CI/CD pipelines & Infrastructure as Code (CDK and internal tool)
- Enhanced user experience through the development of intuitive UI designs and streamlined navigation features.
- Integrated SonarQube plugins for Scala projects via JavaBeans.
- Languages used: Java, Python, Scala, TypeScript (React & CDK).

Software Engineer

CORE, Remote

June 2021 - October 2022

- Designed and built COREConnect, an application to redefine disaster response and reduce duplicative work by up to 90%
- Architected, developed, and deployed the serverless application via Infrastructure as Code (AWS CDK)
- Implemented CI/CD pipelines
- Lead the development team via Agile methodology (Scrum)
- Languages used: TypeScript (React.js & CDK).

Full Stack Software Developer

New Hanover Regional Medical Center, Wilmington, NC

November 2018 - June 2021

- Designed, developed, and maintained a cryptocurrency rewards application using React Native and Python
- Developed Alexa skills and Lex chatbots in Node.js
- Developed internal websites in React.js
- Saved the organization \$20,000 a month on a DynamoDB redesign
- Configured and maintained AWS environments
- Implemented CI/CD pipelines using CloudFormation
- Languages used: TypeScript (React), JavaScript (Alexa Skills Kit), Python (Chalice, Django).

Software Developer Intern

Liberty Healthcare, Wilmington, NC

May 2017 - November 2018

- Enhanced and created internal ASP.NET Core (C#) web applications. Improved their functionality by implementing new features and fixing bugs in existing code.
- Developed and maintained databases in TSQL. Managed and created stored procedures that fed

SAP crystal reports

- Developed a thorough understanding of the software development life cycle through hands-on experience.
- Languages: C# (ASP.NET)

Education

M.S. IN COMPUTER SCIENCE AND INFORMATION SYSTEMS May 2022
UNIVERSITY OF NORTH CAROLINA WILMINGTON, Wilmington

Portfolio

- dillonharless.com
- github.com/dillonharless18

Certifications

AWS Solutions Architect - Associate
AWS Cloud Developer