

David W. Arnold

🏠 <https://deltawhiskeyalpha.com> | 📧 d-w-arnold | 📄 [david-w-arnold](https://www.linkedin.com/in/david-w-arnold) | 🔍 [d_w_arnold](https://github.com/d_w_arnold)

I'm a Software Engineer (specialty: AWS Cloud Engineer), and a First-Class Honours Computer Science graduate from the University of Kent.

Computing Skills

- Certs** 🌟 **AWS CSA-A (Certified Solutions Architect – Associate)** | 🌟 **AWS CCP (Certified Cloud Practitioner)**
</> HackerRank Problem Solving 6-Star (Badge)
- OS's** macOS | Amazon Linux 2 | Ubuntu 22.04 | iOS
- Tech** ☁️ **AWS Cloud Development Kit (CDK)*** | Python3 | PyCharm | </> **Boto3 - AWS SDK for Python** | Unix CLI
oh-my-zsh | Homebrew | Git | AWS CLI | Shell (Bash) Scripting | Docker | AWS ECR | Docker Compose
MySQL | Atlassian | Bitbucket | Jira | Confluence | Markdown | \LaTeX | Cryptography
- Proj** 📁 **AWS CDK Examples** | 📁 IPsec VPN Server | 📁 OpenVPN VPN Server | 📁 Proxy Server | 📁 PyPi Server
📁 AWS Scripts Examples | 📁 AWS Lambda Examples | 📁 AWS EC2 Examples | 📁 My React Website
📁 HackerRank Problem Solving Solutions | 📁 Sudoku Solver | 📁 Ciphertext Decryption [Java]
📁 Homebrew Package Auto-Upgrade Tool | 📁 Open All Images | 📁 Timestamp Media
- *AWS** 📦 Certificate Manager | 📦 AmazonMQ | 📦 Amplify | 📦 CloudFormation | 📦 CloudFront | 📦 CloudWatch
📦 CodeArtifact | 📦 CodeBuild | 📦 CodePipeline | 📦 DynamoDB | 📦 EC2 | 📦 ECR | 📦 ECS (Fargate)
📦 EFS | 📦 ElastiCache | 📦 EventBridge | 📦 IAM | 📦 KMS | 📦 Lambda | 📦 RDS | 📦 Route53 | 📦 S3
📦 SES | 📦 SNS | 📦 Systems Manager | 📦 Secrets Manager | 📦 Step Functions | 📦 WAF (Web ACLs)

Experience

🏢 siHealth Ltd.

Harwell Campus, Didcot, U.K.

DEVOPS ENGINEER

Nov. 2021 - Current

- All-in-one: **Cloud Engineer / Cloud Architect / DevOps**
- Tech Stack: [macOS | ☁️ **AWS CDK** | Python3 | PyCharm | </> **Boto3 - AWS SDK for Python** | Unix CLI | Git | AWS CLI | Shell (Bash) Scripting | Docker | MySQL | Atlassian]
- Lead the company's migration of cloud resources from Azure to AWS.
- Implemented a new **Infrastructure as Code (IaC)** process using ☁️ **AWS CDK**.
- Development/provisioning of new cloud resources (via IaC and/or scripts) to support multiple active projects.
- Oversee all **Continuous Integration/Continuous Delivery (CI/CD)** processes.
- Provide internal support to technical team members using cloud resources.
- Solely architected and implemented new IaC for an in-house 📡 **Satellite Data Acquisition System**, for serving live data to company products.

🏢 Peach

(Remote) - London, U.K.

JUNIOR SOFTWARE ENGINEER

Oct. 2020 - Nov. 2021

- DevOps team member.
- Tech Stack: [Linux | Git | ☁️ **AWS** | Python (inc. Django) | Docker | SQL | TeamCity | Jenkins]

🏢 Red Bull Technology / Red Bull Racing

Milton Keynes, U.K.

IT STUDENT PLACEMENT

Jun. 2018 - Jun. 2019

Education

🏛️ University of Kent

Canterbury, U.K.

(FIRST-CLASS HONOURS) 🌟 **BSC COMPUTER SCIENCE WITH A YEAR IN INDUSTRY**

Sep. 2016 - Jun. 2020

🏛️ Newberry College

Newberry, SC, U.S.A.

MATHEMATICS MAJOR

Jan. 2015 - Oct. 2015

🏛️ The Open University

(Remote) - Milton Keynes, U.K.

CERTIFICATE OF HIGHER EDUCATION (OPEN) - LEVEL 4

Jun. 2012 - Jul. 2014