Benjamin Pilgrim

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Ipswich, Suffolk 🗺

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TGNThump ○

Employment

2019 - Present

HTK - Software Engineer

- Designed and developed a multi-account AWS architecture using Terraform for a greenfield data lakehouse platform.
- Technical owner, designer and lead developer of a distributed event-driven customer journey automation platform.
- Developed services, user interfaces and APIs following a 3-tier 3-tier application model for a complex multi-tenant customer data platform.
- Involved in mentoring and skill development for junior developers with a focus on code quality through pair programming and code reviews.
- Assisted the operations and quality assurance teams with investigating, mitigating and fixing production incidents and bugs reported by customers.
- Designed and developed frontend user interface pages and components, including a complex promotion builder with a 'drag-n-drop' nested rule/segment editor for use by customers.

■ AWS	■ Terraform	■ Git	■ Docker	■ GraphQL	■ Java
■ Spring	■ JavaScript	■ Vue.js	■ T-SQL	■ Jenkins	■ JSF
■ JUnit	■ Kafka	■ Maven	■ MongoDB	■ Storm	■ SVN
■ Tomcat					

2018 - 2019

Liverpool Guild of Students - Student Staff Theatre Technician

Lighting and Sound Operator at Liverpool Guild of Students, working with student societies and other organisations on musicals and events.

Education

2016 - 2019

University of Liverpool - BSc (Hons) Computer Science (First Class)

2014 - 2016

One Sixth Form - A Levels: Computing (B), Electronics (A), Mathematics (D)

Volunteering

2018 - 2019

Society Co-President at Liverpool Guild of Students (University of Liverpool)

2017 - 2018

Society Social Secretary at Liverpool Guild of Students (University of Liverpool)

Personal Projects

ActivityStreams4J

A personal open source project creating a Java library consisting of data transfer objects for the W3C ActivityStreams 2.0 specification, along with the ActivityPub extension.

scribbled.by

A collaborative note-taking web application designed and developed as part of my degree dissertation project.

hub.pilgrim.me.uk

Personal home-lab started in 2016 with 20+ services, deployed as docker containers. Services are listed on an open-sourced start-page that dynamically discovers ports exposed through a Traefik reverse proxy via the docker API.

EV3 SDK

A java library for the EV3 Mindstorm Robots that facilitates the study of mobile computing problems, such as odometry tracking, sensor data modelling and multi-agent systems.

OneReset

A self-service password reset kiosk system, developed for the One sixth form college. The kiosk application allowed students to reset their active directory password without needing to contact the service desk for human assistance after scanning their NFC-enabled id card and verifying their identity.