Howie Benefiel

github://howinator
blog@howinator.io

EDUCATION

UT - AUSTIN
MEng in Software Engineering
May 2019 | Austin, TX

UT - AUSTIN
BS in Chemical Engineering
December 2014 | Austin, TX

OSS CONTRIBUTIONS

cPython
Kubernetes
Ansible

COURSEWORK

GRADUATE
Distributed Systems
Data Engineering
Algorithms & Data Structures
Multicore Computing

UNDERGRADUATE
Intro to Programming
High Performance Computing

SKILLS

LANGUAGES
Over 5000 lines:
Java • Typescript • Python • Ansible
Golang • Kotlin • Fortran
LaTeX • React • SQL
Over 1000 lines:
C • Rust • Terraform
TECHNOLOGIES:
AWS (all major & many minor services)
Google Cloud Platform
Docker • Kubernetes
PostgreSQL • Git • Unix/Linux
Columnar DBs • Kafka • Spark
Jenkins • Android • Django

ACCOMPLISHMENTS

Founder, Texans for a Better Tomorrow
Tomorrow, Featured on The Colbert
Report
Presenter, Insights Conference,
Accruent
Presenter, Process Science and
Technology Center Conference

EXPERIENCE

HEAP | Sr. Software Engineer
Aug 2019 - Present | SF, CA/Remote
- Re-built deploy pipeline which decreased time required for releases from 2 days to 20 minutes
- Won 2/2 hack weeks with measurable business results from both hack week projects
- Led re-design of data ingestion pipeline which greatly expanded possibilities for product development

CRATEJOY | Sr. Software/Site Reliability Engineer II
Feb 2018 - Present | Austin, TX

- Took over ownership and finished k8s-based build pipeline which gave each PR a new environment
- Led project to build subscription billing app on Shopify
- Spearheaded major re-factor of authentication system which materially increased conversion rate

UNIZIN | Software Engineer/SRE - Platform
July 2017 - Feb 2018 | Austin, TX

- Led effort to design & build "big data" platform in partnership with Google
- Built Single Sign-On Service Provider which integrates with universities' SAML identity providers
- Led effort to containerize infrastructure using Docker and Kubernetes which resulted in 60x decrease in deploy time
- Worked on backend code for greenfield user-facing application
- Owned data warehouse project which has scaled seamlessly to 10 TB and thousands of co-current researchers

ACCRUENT | Consultant I
July 2015 - Aug 2016 | Austin, TX

- Worked with health care customers to design and implement custom software solutions

RESEARCH

DR. ELDRIDGE'S LAB | Undergrad. Research Assistant
Jun 2013 - May 2014 | Austin, TX

I worked with Dr. Freeman and Dr. Eldridge to port Fortran 77 simulation to VBA. I then worked with Dr. Eldridge to built a novel distillation column simulation in VBA.

PERSONAL PROJECTS

COMPUTATIONALTHINGS.COM *NOW DEFUNCT* | Jan 2015 - July 2016
- Scraped Reddit to build graph of subreddits based on common users
- Ran simple machine learning to suggest subreddits to people based on previous comments