GUY B. BENSON

SOFTWARE ENGINEER

guy.b.benson@gmail.com – github.com/gbbenson68 – www.linkedin.com/in/guybbenson – @GuyTheBenson

Somerville – Massachusetts – 02143 – (617) 955-0712

SKILLS

- HTML
- JavaScript
- Node.js
- CSS
- Sass
- Bootstrap
- Git/GitHub
- Express.js
- React
- Jupyter Notebooks
- Ruby
- Rails
- Python
- Java
- Perl
- C/C++
- PL/SQL
- PostgreSQL
- Oracle
- AWS
- Heroku

EDUCATION

Massachusetts Institute of Technology
Cambridge, MA
Master of Science
June 1996
Aeronautics and Astronautics
bit.ly/2HXvpR2

Rutgers University
New Brunswick, NJ
Bachelor of Science
June 1990
Mechanical Engineering

CERTIFICATIONS

- Advanced Python for Data Science

LANGUAGES

- Native English Speaker
- Fluent in German

INTERESTS

Drums • Reading • Scotch Whisky • Cycling • Running • Food

EXPERIENCE

General Assembly, Boston, MA – *Software Engineering Fellow*
Apr 2019 – Jul 2019

500+ hours of intensive training in full-stack technologies such as JavaScript, HTML, React, Redux, CSS, Sass, Bootstrap, Express and Ruby on Rails, with multiple projects, each finished in five days or less.

- Developed an interactive Tic Tac Toe game using HTML, JavaScript, Sass and Bootstrap
- Built a Gas Mileage Calculator using HTML, JavaScript, Sass, Bootstrap and Ruby on Rails
- Created an Image Viewer and Uploader using HTML, JavaScript, Express, Sass and Bootstrap, deployed on Heroku and Amazon Web Services
- Built an Interval-based Metronome for drummer training using HTML, JavaScript, React and Bootstrap for a front end and Express.js, Mongoose and MongoDB for the back end.

Toast Inc., Boston, MA – *Senior Technical Support Engineer*
Aug 2015 – Apr 2017

Tier 2 Technical Support specialist, specializing in credit card payments processing.

- Generated SQL queries (PL/pgSQL) utilized by Support in gathering information and generating automated support messages
- Proactively monitored errant credit card transactions to identify issues earlier, saving customers approximately $30,000 in card transactions
- Designed processes around payments processing to ensure traceability and audit-ability

Orga Systems, Paderborn, Germany – *Senior Systems Engineer*
Jul 2010 – Oct 2013

Postpaid billing specialist and architect, developed Payments Distribution Handler (PDH) for Orga's postpaid convergent billing platform

- Created Payments Distribution Handler (PDH) in PL/SQL for Orga's OPSC Gold Prepaid-Postpaid convergent billing platform
- Architected and developed PL/SQL solutions for postpaid billing
- Wrote PL/SQL coding standards for Oracle developers

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Huawei Technologies, Düsseldorf, Germany **– *Senior Data Migration Specialist***
Apr 2011 – Sep 2011

Migration Specialist for mobile telephony system upgrade of Germany's fourth-largest provider

- Evaluated out-of-the-box ETL solutions, with emphasis on quick implementation, scalability and change data capture
- Rewrote test strategy documentation

Comverse, Heidelberg, Germany **– *Data Migration Manager***
Aug 2008 – Nov 2009

Migration Manager for upgrade of broadband cable and internet provider

- Led international team (based in England, Germany, Poland and Vietnam), managing data migration resources for the implementation of a billing systems upgrade
- Created interface specifications for migration of data from legacy systems to new systems
- Constructed data migration tools in Perl and MySQL for transferal of data from legacy systems to new systems

Telefónica, Munich, Germany **– *Senior Developer and Analyst***
Feb 2001 – Dec 2007

Developer, analyst and subject matter expert for Germany's Third-largest mobile telephony provider

- Managed a billing system upgrade affecting 6 million subscribers, reducing implementation time by 50% and resulting in an 800% performance improvement
- Optimized Sybase database objects to increase performance of critical jobs by more than 1000%
- Implemented tooling in PL/SQL and Bourne shell for extracting, transforming and loading150 million billing records per month
- Developed and implemented a custom-built invoice generation tool in C and C++

Vodafone, Prague, Czech Republic **– *Senior Analyst and Developer***
Mar 2000 – Dec 2000

Developer, analyst and subject matter expert for mobile telephony

- Partnered with resident Oracle expert to develop in-house PL/SQL solutions, reducing implementation costs by nearly 50% while decreasing implementation time by up to 80%
- Designed database configuration for the rating of millions of call data records hundreds of thousands of subscribers
- Implemented initial roaming configurations for dozens of roaming partners

Kenan Systems Corporation, Cambridge, MA – Sydney, Australia – Munich, Germany – ***Systems Engineer***
Apr 1996 – Mar 2000

Systems Engineer and Lead Support Engineer

- Team Leader for Sydney and Munich support teams
- Identified problems with data and generated scripts affecting 1.5 million subscribers
- Optimized code (in C) to fix memory leak issues