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Career history

Full-stack Web Developer, Aug 2016 - Present

Union Betriebs-GmbH.

The Union-Gesellschaft (UBG), headquartered in Rheinbach and permanent establishment in Berlin is the economic operation of the Christian Democratic Union. My achievements in the company include:

- Developing a REST API which consumes multiple REST, SOAP and JavaScript APIs in order to create an integral Web-To-Print service.
- Helping management in making decisions about project's architecture, design and UX.
- Developing a dynamic Amazon Alexa skill.
- Creating custom modules for Drupal 8 and PrestaShop.
- Using Jekyll and Swagger for creating web services' documentation.

Senior Backend Developer, June 2015 - March 2016

Artan Web Creators, Inc.

Creating RESTful web services with Slim framework for a partner company in Norway called Bliksund AS. Responsibilities included but are not limited to:

- Information design/architecture and Implement a Restful web service which provides services for the company's mobile apps.
- Website performance optimization, site maintenance, scanning, and tracking web site progress, and consulting.
- employing GCM (Google cloud messaging) for notifications in Android and iOS apps.

Web and Software Developer, March 2014 - June 2015

Bardiaweb, Inc.

Bardia Web provides website design, development, Internet Marketing and Search Engine Optimization (SEO). Responsibilities included:

- Designing websites using PHP, HTML, JSON, and JavaScript.
- Developing entire backend and setting up databases using MySQL and MongoDB.
- Optimizing and Maintaining the old websites.

PHP Developer, December 2013 - March 2014

Daneshgerayan Moj Chaharom, Bikooch

Bikooch is a tailor-made Tourism and Travel social network project with informative, entertaining, business and commercial purposes to cover all aspects of a pleasant journey experience from virtual to the real world for anyone.

- Designed and developed relational and non-relational databases for a complex system.
- Exposed to various frameworks and libraries: CodeIgniter, Yii, Zend FW, AngularJS, Node.js, jQuery

Web and Software Development Engineer, March 2012 - December 2013

Fanavaran Energy Toos

As a developer in charge of technical issues, I was preparing project architecture, coding, managing projects and communicating with clients. Responsibilities included:

- Solving problems regarding web interfaces and creating databases
- Testing the software for any bugs and unwanted functionalities

Recent Project

TGSBoard

TGSboard is an onscreen multimodal keyboard that combines the simplicity and accuracy of touch inputs with the speed of eye typing to provide efficient and comfortable dwell-free text entry. Based on the experimental results of the conducted studies in the Koblenz-Landau University, TGSBoard is the fastest and the most convenient gaze entry system.

Distraction detection using eye tracking

As part of my academic career, I have designed and implemented an application which helps students increase their attention span in a multimedia platform. The application is based on Python language, Django, and Angular.

EyeTube

This project with the purpose of helping disabled people is a demonstration of the possibility of controlling web elements with eye movements. Users can search and watch YouTube videos in this web application which is compatible with eye trackers. Django framework, jQuery, HTML5, and Google services are some of the technologies used in this project.

Angela Merkel's Personal Website

As part of my job as a full-stack developer at UBG, I have implemented the personal website of Chancellor of Germany, Angela Merkel.

Available at <https://www.angela-merkel.de>

Web to print API

Web-to-print is a RESTful web service which allows the clients to customize a product in an online editor.

Available at <https://www.shop.cdu.de>

Bliksund Native Application

The Bliksund project contains many functionalities, mainly facilitating communication between hospitals and ambulances. By providing various IT services to hospitals' staffs, Bliksund has been causing a remarkable increase in the success of saving people's lives in Norway. It is built on 3 different platforms. Web, Android, and IOS. For more info about the project please check Bliksund's website available at <https://www.bliksund.no>.

Languages

- Persian (Native language)
- English (Fluent, C1)
- German (Basic, A2)

Education and other Skills

MSc Web Science, Koblenz-Landau University, 2016 - 2019

BSc Computer Software Engineering, Azad University of Mashhad, 2007 - 2012

Certification and Honors

Web Application Security Certification
APA Technical Institute, Ferdowsi University, Mashhad, 2013

Hobbies and Interests

My interests lay with music, film, literature, and writing. I'm also fascinated by visiting new places and traveling.

To learn more about my professional work, please visit the following links.

Linkedin: <https://de.linkedin.com/in/hedesh>

Stackoverflow: <https://stackoverflow.com/users/2714900/hedeshy>

References: Available upon request