

## RÉSUMÉ

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Abdullah Al Zakir Hossain

Senior Django Architect & Cloud Security Engineer

### Contact

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Email: [a@articulatedlogic.com](mailto:a@articulatedlogic.com)

Portfolio: <https://articulatedlogic.com/projects>

GitHub: <https://github.com/aazhbd>

Profile: <https://de.linkedin.com/in/aazhbd>

### Summary

With more than 16 years' experience, specialized in developing enterprise applications for business automation using Django, PostgreSQL, Azure with in cloud-native architecture, CI/CD, Linux, web app security, DDD and OOP.

### Skills

Development: **Python (FastAPI, Django, Django-Ninja, Django-bolt, Django-REST-framework, Wagtail, Qt)**, Celery, GraphQL (Graphene)  
C# (WinForms, ASP.net MVC, Blazor, EF Core) on Linux/Windows, Aot native  
TypeScript, JavaScript (Vue, AlpineJS, Prisma), Htmx, Rust (axum), Kotlin

Database: **PostgreSQL**, TimescaleDB, Redis, Elasticsearch, MySQL

Cloud: **Azure/AWS, Cloudflare, Debian**, ASP/Django Hosting, Docker, GitHub Actions, Gitlab CI

Others: **OWASP** top 10 security mitigation, ArchiMate, TOGAF, JWT/OAuth2, SSO, secure coding reviews, OOP, MVC, hexagonal architecture, microservices, event-driven design, domain-driven design etc.

### Education

- Bachelor of Engineering in Computer Science and Engineering  
The University of Asia Pacific, Bangladesh  
(Completed four years degree GPA 3.16 / 4)
- Master in Global Software Development  
Fulda University of Applied Sciences, Germany (Incomplete, CGPA 1.9)

### Selected Employments

- Senior Architect at Debitos GmbH (debitos.com)  
[04/2022-04/2023] Mainzer Landstraße 69-71, 60329 Frankfurt am Main, Germany
  - Features development and maintaining financial marketplace application.
  - Development of several microservices and APIs for third party companies to integrate with core applications.
  - Deployment for all Django and Python applications in Azure platforms.
- Senior Software Developer at EELOY AG (eeloy.com)  
[10/2018-02/2020] Friedrich-Dietz-Straße 3, 36093 Künzell, Germany
  - Maintaining the primary code base and application deployment process.
  - Developing REST APIs and tools with Django-Python, Symfony-PHP, and server administration.
- Senior Python Developer at Uhura Creative Media GmbH (uhura.de)  
[01/2017-01/2018] Stralauer Allee 2a, 10245 Berlin, Germany

- Developing business automation systems using Django-Python and server maintenance using uWSGI, Apache, and Nginx.
- Maintaining the Amazon Web Services cloud infrastructure for several EC2 instances and API endpoints, development of the primary RESTful APIs and tools.
- Maintaining the core software architecture with Vagrant and code structure for several projects.
- Senior Web Developer at Digital Performance GmbH (digitalperformance.de)  
[02/2016-11/2016] Schützenstrasse 25, 10117 Berlin
  - Worked on backend feature implementations and optimizations in Django. Developing various prototypes, bug fixes in several modules.
  - Development of RESTful APIs with DRF in Python for several business services.
  - Develop APIs with Ninja in several different projects with frontend features.
- Senior Web Engineer at Lesson Nine GmbH (babbel.com)  
[04/2014-07/2015] Bergmannstraße 5, 10961 Berlin
  - Worked in business logic implementation on Python-Django project as well individually developing NodeJS and CasperJS test platform.
  - Architected Django microservices and Wagtail CMS, autoscaling and query tuning.
- Software Developer at Institut für Serviceautomation GmbH  
[12/2011-10/2013] Ziolkowskistraße 8, 98693 Ilmenau, Germany  
From December 2011 to October 2013
  - Worked in vending machine administration system SiMon for web-based data collection and operation from central system using Django-Python and JavaScript.
  - Developed monitoring software for sells information management in Django-Python.
- Senior Django Architect at ArticulatedLogic.com  
[04/2008-10/2011] Dhaka, Bangladesh
  - Leading a team for software development, as well as developing solutions and platform designing for web development.
  - Worked with C#.net with MySQL in two modules includes mail client and mail parsing programming. Implementation of custom apps for working in Django and ASP.net.

## Academic Employments

- Tutor at Fulda University of Applied Sciences, Fulda, Germany
  - Assisting to the courses for BigData and NoSQL, ASP.net, Linux, Cloud Technologies.
  - Working with Prof. Dr. Christoph Scheich, Prof. Dr. Johannes Konert.
- Lecturer (Part-time) at Mohammadpur Central University  
[11/2007-04/2009] Dhaka, Bangladesh
  - Classes on Programming and Algorithms for the students as per the NU Curriculum.
- Lecturer (Part-time) at The University of Asia Pacific  
[01/2007-01/2008] Dhaka, Bangladesh
  - Took classes on Algorithms as per university syllabus, Contest Judge and Problem Setter.

## Notable Personally Developed Projects

- Thesis:  
Done my thesis work on Implementation of Agrawal-Kayal-Saxena Primality Testing Algorithm under the supervision of Prof. Dr. M. Kaykobad, BUET, where the main emphasis was on optimizing the implementation capable to handle large numbers with hundreds of digits. With a user-friendly GUI it can be integrated with other applications along with the previous naïve methods and Fermat's theorem using JavaSE with Swing UI.  
Available at: <https://articulatedlogic.com/projects/implementation-of-the-agrawal-kayal-saxena-primality-testing-for-very-large-numbers/>

- **Programming Contests:**  
Participated in various international, national, interuniversity programming contests. Have participated in three ICPC Dhaka regional contest (2006, 2007, 2008), with several problems solved. Ranked top in several programming contests at The UAP and been the Problem Setter and Judge. Solved 123 contest problems at University of Valladolid programming contests web site (online judge id: 63046ZV) mainly focused in complexity critical problems, sorting, ad-hoc, numerical problems. Public profile at: [https://onlinejudge.org/index.php?option=onlinjudge&Itemid=20&page=show\\_authorstats&userid=4229](https://onlinejudge.org/index.php?option=onlinjudge&Itemid=20&page=show_authorstats&userid=4229)
- **ArtWebCMS** and ArtWeb is a fast, secure, scalable Content Management System, powered by ArtWeb using Symfony components with the best practices of MVC.  
Build With: Symfony http, Twig, FluentPDO, MVC, cybersecurity compliant.  
Available at: <https://github.com/aazhbd/ArtWebCms>  
<https://github.com/aazhbd/ArtWeb>
- **WinDecluttered** is a tool to optimize Microsoft Windows and uninstall unnecessary bloated applications.  
Build With: C#.net 10, WinForms, Upx  
Available at: <https://github.com/aazhbd/WinDecluttered>
- **SwapTool** is an application to manage the swap space and memory in Linux distros.  
Build With: Qt, Python 3.13, Upx, Flatpak  
Available at: <https://github.com/aazhbd/swaptool>
- **RenderNote** is a full-featured natively build light weight WYSIWYG editor for Markdown and PDF with a small disk footprint.  
Build With: C#, C++, Native build  
Available at: <https://github.com/aazhbd/RenderNote>
- **AutoDeploy** is an easy and automatic installation of development system with PHP7, Apache2 and MySQL in Ubuntu  
Build With: Bash scripts, Virtual technologies, Vagrant  
Available at: <https://github.com/aazhbd/autodeploy7>
- **Website WinDecluttered.com** contains the publications and features for the desktop application WinDecluttered.  
Build With: Python-Django, Unfold, Ninja, filebrowser  
Available at: <https://windecluttered.com/>
- **Website ArticulatedLogic.com** contains the portfolio developments, messaging and project management.  
Build With: Wagtail (news-template), Django, Unfold, Ninja, filebrowser  
Available at: <https://windecluttered.com/>

## Language

English: Full Professional Proficiency (IELTS) German: Intermediate (A2.2)

## References

Prof. Dr. Johannes Konert  
Email: [johannes.konert@informatik.hs-fulda.de](mailto:johannes.konert@informatik.hs-fulda.de)  
Hochschule Fulda – University of Applied Sciences, Germany

Prof. Dr. Christoph Scheich  
Email: [christoph.scheich@informatik.hs-fulda.de](mailto:christoph.scheich@informatik.hs-fulda.de)  
Hochschule Fulda – University of Applied Sciences, Germany