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Application for "Full Stack Software Engineer" Position

Dear Sir/Madame,

I found your recent announcement of positions for software engineer at the company. My education and experience are good fit to the requirements of the position. I am writing to you today to express my great interest in the team and apply for the position as "Full Stack Software Engineer" position.

Currently, I am working as senior software engineer at Elhub AS - Statnett, Oslo, Norway. I am working full stack in EDIEL system (.Net Framework, MVC, SQL Server, KendoUI, NserviceBus, Teamcity, Octopus), which is used for market parties in energy sector in Nordic countries to validate and send/receive messages between them and Elhub system. I am very proficient in .Net Core, .Net Framework, C#, HTML, CSS, JavaScript, and very strong SQL skills in relational database systems, RDBMs (SQL Server, MySQL, Oracle), source version control, and other programming languages such as C++, MatLab, Java, Python. I also have experienced skills in working with cloud (AWS), and modern database storage, NoSQL data, such as MongoDB, Redis.

I have rich working experience in 13 years as software engineer. During that time, I designed and developed API restful services, as well as applications in both Web-based and Application-based platforms using Microsoft techniques such as C#, Net Core, Asp.Net, SQL Server, MySQL and Oracle. Some of the projects that I was responsible for are service monitoring tool, card issuing process, BPM (business processing management) for MBBank, pattern recognition in financial stock prices, HRM (Human resource management), CMS (content management system), payment gateway in game, news and financial (stock) service applications among others.

I also have more than 5 years working experience in doing research. I obtained my Ph.D. degree in computer science at the Department of computer science, NTNU, Norway. During my PhD program, I developed new efficient algorithms, solutions and novel theoretical foundation for event detection (e.g., change, anomaly, fraud detection from tensors data). The solutions are implemented in C++, MatLab, Java, Python, and are 16 peer-reviewed papers published in highly ranked international journals, premium conferences related to artificial intelligence and data science (e.g., ICDE, rank A*, 3% acceptance rate). In addition, I have accumulated valuable knowledge of machine learning fundamentals where I carried out my research, and during the time I was assistant and responsible for labs and assignments in the NLP with python course for bachelor student at NTNU. I also have knowledge of machine learning topics such as Optimization, Classification. My experience would give allows me to adapt and do well in many different working topics.

Furthermore, I am excellent at Algorithms and Mathematics, which I was awarded a national prize in Mathematics. I also have strong knowledge about security, that I have found some bugs in some big tech companies such as Google, Microsoft, Github, etc. From my experience in both academia and industry, I have learned how to work in individual and quickly adapt, work well in a team. My 13 years of experience as software engineer combined with outstanding research experience would allow me to have a capability of solving complex problems and building advanced software systems, and I could make significant contributions to the work in the team.

Thank you for your time and for considering me for the position. I have included my resume and I would thus be glad to join your team and to challenge myself that I would perform well in this position. I do hope that I would be part of development history of the team that contributes to the society through technology and useful applications.

Sincerely,

Huy Quang Duong